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ASLIB BOOK-LIST

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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Paper chromatography: a laboratory manual. New York, Academic Press, 1952. pp.x,195, illus. $4.50. *(B) 39*

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What is race? Evidence from scientists, by D. Tead; illustrated by J. E. Kleiman. Paris, Unesco, 1952. pp.87, illus., tables, bibliog. $1; 5s.; 250 fr. *(A) 45*

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Common farm weeds illustrated. Butterworth's Scientific Publications, 1952. pp.vii,172, illus. (phots.). 15s. *(B) 46*

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BAKER, E. W., *and* **WHARTON, G. W.**
An introduction to acarology. New York, Macmillan, 1952. pp.xiii,465, col. front., plates, diagrs. $10. *(C) 47*

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Testing Materials

HEYWOOD, R. B.
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Sub-station practice. 2nd ed. C. & H., 1952. pp.xii,467, illus., tables, diagrs. 55s. *(B) 54*

GIBBS, W. J.

Tensors in electrical machine theory. C. & H., 1952. pp.xii,238, diagrs., bibliog. 30s. *Advanced engineering textbooks.* (*C*) *55*

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The practice of traffic management. Dallas (Texas), Transportation Press, 1952. pp.249, illus. $4. *(A) 66*

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LOGIE, G.

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PUBLISHERS

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L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

ASLIB BOOK-LIST

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GENERAL SCIENCE

DEMBOWSKI, J.
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The following abbreviations are used in the *Aslib Book-List.*

A. & U. : Allen & Unwin
C. & H. : Chapman and Hall
C.U.P. : Cambridge University Press
H.M.S.O. : Her Majesty's Stationery Office
L.G. : Longmans, Green
McG.-H. : McGraw-Hill
O. & B. : Oliver and Boyd
O.U.P. : Oxford University Press

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VOLUME 18 NUMBER 3
MARCH 1953
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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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GENERAL SCIENCE

SARTON, G.

A history of science; ancient science through the golden age of Greece. O.U.P., 1953. pp.xxvi,646, illus., maps, facsims., tables, diagrs., bibliog. 63s. (*B*) *171*

TOULMIN, S.

The philosophy of science; an introduction. Hutchinson, 1953. pp.176, diagrs., bibliog. 8s. 6d. *Hutchinson's university library, philosophy, ed. by H. J. Paton.* (*B*) *172*

[See also *181*]

SCIENTIFIC RESEARCH

WILSON, E. B., *jr.*

An introduction to scientific research. New York, London, [etc.], McG.-H., 1952. pp.xiii,375, tables, diagrs. $6 or 51s. (*C*) *173*

DOCUMENTATION

NELSON, J. R.

Writing the technical report. 3rd ed. New York, London, [etc.], McG.-H., 1952. pp.xvi,356, facsims., tables, diagrs. $4.50 or 38s. 6d. 'Previous ed. 1947.' (*B*) *174*

BIBLIOGRAPHY

UNITED STATES. Library of Congress. European Affairs Division

Freedom of information; a revised supplementary survey of recent writings, [by H. F. Conover]. Washington, the Library, 1952. pp.v,40. 30¢. (*B*) *175*

[See also *253*]

LIBRARIANSHIP

AMERICAN LIBRARY ASSOCIATION. Board on Personnel Administration

Personnel administration and procedure; a manual suggested for use in college and university libraries. Chicago, A.L.A., 1952. pp.vi,57, diagrs. $1. (*B*) *176*

AMERICAN LIBRARY ASSOCIATION. Board on Personnel Administration

Personnel organization and procedure; a manual suggested for use in public libraries. Chicago, A.L.A., 1952. pp.vi,58, diagrs. $1. (*B*) *177*

DIRECTORIES AND YEARBOOKS

Directory of paper makers of Great Britain and Ireland

Directory of paper makers of Great Britain and Ireland for 1953. Witherby, 1953. pp.xxix,267. 14s. (*D*) *178*

The paper makers' and merchants' directory of all nations

The paper makers' and merchants' directory of all nations, 1953. Business Publications, [1953]. pp.626. 35s. (*D*) *179*

Who's who in the motor industry

Who's who in the motor industry: a biographical directory containing miscellaneous data of interest to all connected with the motor industry, including an alphabetical listing of those connected therewith; compiled and ed. by R. C. Bellamy and C. Andrews. Grimsby, Roland C. Bellamy Publications, 1952. pp.634. 27s. 6d. (*D*) *180*

PHILOSOPHY

[See *172*]

PSYCHOLOGY

TAYLOR, W.

The relationship between psychology and science. A. & U., 1952 [1953]. pp.244, diagrs. 12s. 6d. (*C*) *181*

SOCIAL SCIENCES

LITTLE, K.

Race and society. Paris, Unesco, 1952 [1953]. pp.56. 25¢; 1s. 6d.; 75 fr. *The race question in modern science.* (*A*) *182*

STATISTICS

[See *186*, *189*]

ECONOMICS

THOMSEN, F. L., *and* **FOOTE, R. J.**

Agricultural prices. 2nd ed. New York, London, McG.-H., 1952. pp.xi,509, maps, tables, diagrs. $6.50 or 55s. 6d. 'Previous ed. 1936.' (*B*) *183*

[See also *184*]

INTERNATIONAL ORGANIZATIONS

ALEXANDROWICZ, C. H.

International economic organizations. Published under the auspices of the London Institute of World Affairs by Stevens & Sons, 1952. pp.xii,263. 30s. *Library of world affairs, ed. by G. W. Keeton and G. Schwarzenberger, no. 19.* (*B*) *184*

EDUCATION

LONDON. UNIVERSITY. Institute of Education

Studies and impressions, 1902–1952. Published for the University of London Institute of Education by Evans Bros., 1952. pp.247. 15s. (*B*) *185*

[See also *247*]

MATHEMATICS

ANDERSON, R. L., *and* **BANCROFT, T. A.**

Statistical theory in research. I. Basic statistical theory. II. Analysis of experimental models by least squares. New York, London, [etc.], McG.-H., 1952. pp.xix,399, tables, diagrs., bibliog. $7 or 59s. 6d. (*B*) *186*

BIGGS, E. E., *and* **VIDAL, H. E.**

Mathematics today. Part 3: Largest and smallest. Ginn, 1952. pp.xi,195, tables, diagrs. 5s. 6d. (*A*) *187*

BURNS, P. F.

Daily life mathematics. Book 2. Ginn, 1952. pp.xii,244, front., illus., map, tables, diagrs. 8s. *(A) 188*

MOUNSEY, J.

An introduction to statistical calculations. English Universities Press, 1952 [1953]. pp.351, tables, diagrs. 15s. *(B) 189*

STOLL, R. R.

Linear algebra and matrix theory. New York, London, [etc.], McG.-H., 1952. pp.xv,272, diagrs., bibliog. $6 or 51s. *International series in pure and applied mathematics, ed. by W. T. Martin.* *(B) 190*

ASTRONOMY

DAVIDSON, M., *ed.*

Astronomy for everyman. London, Dent; New York, Dutton, 1953. pp.xviii,494, front., illus., maps, tables, diagrs., bibliog. 18s. *(A) 191*

PHYSICS

CHAPMAN, S., *and* **COWLING, T. G.**

The mathematical theory of non-uniform gases: an account of the kinetic theory of viscosity, thermal conduction, and diffusion in gases. 2nd ed. C.U.P., 1952. pp.xxiii,431, tables, diagrs. 60s. 'Previous ed. 1939.' *(C) 192*

GREAT BRITAIN. Ministry of Supply

Radioisotope techniques. Proceedings of the Isotope Techniques Conference, Oxford, July 1951, sponsored by the Atomic Energy Research Establishment. Vol. II: Industrial and allied research applications. H.M.S.O., 1952. pp.iv,177, illus. 25s. *(C) 193*

LLOWARCH, W.

Practical physics. L.G., 1952. pp.xii,266, tables, diagrs. 12s. 6d. *(B) 194*

PARADISE, R. S.

Problems in hydraulics. London, Glasgow, Blackie, 1952 [1953]. pp.viii,342, tables, diagrs. *(B) 195*

POYNTING, J. H., *and* **THOMSON,** *Sir* **J. J.**

A university textbook of physics: being the 11th ed. and a largely re-written version of Poynting & Thomson's 'Textbook of physics'; by G. H. Awbery. Vol. 3: Heat. Griffin, 1952. pp.x,439, illus., tables, diagrs. 36s. *(B) 196*

ROSSI, B. B.

High-energy particles. New York, Prentice Hall, 1952. pp.xii,569, illus. $12.50. *Prentice Hall physics series.* *(C) 197*

CHEMISTRY

KUBASCHEWSKI, O., *and* **HOPKINS, B. E.**

Oxidation of metals and alloys. Butterworth, 1953. pp.xv,239, plates, tables, diagrs., bibliog. 35s. *(C) 198*

PARTINGTON, J. R.

An advanced treatise on physical chemistry. Vol. 3: The properties of solids. L.G., 1952. pp.lx,639, tables, diagrs. 70s. *(C) 199*

SMITH, D. M.

Visual lines for spectroscopic analysis. 2nd ed. completely rev. Hilger & Watts, 1952. pp.102, front., plate, tables, bibliog. 16s. 'Previous ed. 1928.' (*D*) *200*

[See also *193*]

MINERALOGY

WALTON, *Sir* J.

Physical gemmology. Pitman, 1952. pp.xii,304, illus., tables, diagrs., bibliog. 30s. (*B*) *201*

GEOLOGY

[See *235*]

BIOLOGY

TRAUTMANN, A., *and* FIEBIGER, J.

Fundamentals of the histology of domestic animals; tr. and rev. from the 8th and 9th German ed. 1949 by R. E. Habel and E. L. Biberstein. New York, Comstock pub. associates; London, Baillière, Tindall & Cox, 1952. pp.xiii,426, illus. $8.75 or 67s. 6d. (*B*) *202*

BOTANY

ALEXOPOULOS, C. J.

Introductory mycology. New York, Wiley; London, C. & H., [1952]. pp.xi,482, illus., diagrs., bibliog. $7 or 56s. (*B*) *203*

JAY, B. A.

Conifers in Britain; an illustrated guide to identification. Black, 1952. pp.47, plates, tables, bibliog. 35s. (*B*) *204*

VETERINARY SCIENCE

BANHAM, G. A.

The veterinary surgeons' vade mecum. 8th ed. by W. A. Greig. Baillière, Tindall & Cox, 1952. pp.[7],216, tables. 17s. 6d. 'Previous ed. published as *Veterinary posology and other information*, 1943' (*B*) *205*

BARRON, N.

The pig farmer's veterinary book: a complete guide to the farm treatment and control of pig diseases. Ipswich (Suffolk), Dairy Farmer (Books), 1952 [1953]. pp.xiii,105, col. front., illus., plates, tables, diagrs. 12s. 6d. (*A*) *206*

BIESTER, H. E., *and* DEVRIES, L.

Diseases of poultry. 3rd ed. by H. E. Biester and L. H. Schwarte. Ames (Iowa), State College Press, 1952. pp.1175, illus. $11.50. (*B*) *207*

ENGINEERING

CAMM, F. J., *ed.*

Newnes' engineer's reference book. 5th ed. Newnes, 1952. pp.1907, illus., tables, diagrs. 63s. 'Previous ed. 1951.' (*D*) *208*

Testing Materials

BRITISH IRON & STEEL RESEARCH ASSOCIATION

The fight against rust: the work of the Corrosion Committee of the British Iron & Steel Research Association. The Association, 1952. pp.25, illus., tables, diagrs. 2s. 6d. (*A*) *209*

SYMPOSIUM ON FATIGUE AND FRACTURE OF METALS, 1950
Massachusetts Institute of Technology

Fatigue and fracture of metals; a symposium held at the Massachusetts Institute of Technology, June 19–22, 1950; ed. by W. M. Murray. Cambridge (Mass.), Technology Press of the Massachusetts Institute of Technology; New York, Wiley; London, C. & H., [1952]. pp.viii,313, illus., tables, diagrs. $6 or 48s. *(C) 210*

[See also *193*]

ELECTRICAL

MacLANACHAN, W., *ed.*

Television and radar encyclopaedia. Newnes, 1953. pp.viii,216, illus., maps, tables, diagrs. 30s. *(A) 211*

WALL, T. F.

Transmission lines and A.C. networks. Newnes, 1953. pp.viii,328, tables, diagrs. 30s. *(B) 212*

AUTOMOBILE

HIGGINS, L. R.

Britain's racing motor-cycles. G. T. Foulis, [1953]. pp.xi,155, plates. 15s. *(A) 213*

[See also *180*]

AERONAUTICAL

SHANLEY, F. R.

Weight-strength analysis of aircraft structures. New York, London, McG.-H., 1952. pp.xi,394, diagrs. $8.50 or 72s. 6d. *Rand series.* *(C) 214*

AGRICULTURE

Advances in agronomy

Advances in agronomy [1952]; ed. by A. G. Norman. Vol. 4. New York, Academic Press, 1952. pp.416, illus. $8.50. *(C) 215*

SOILS

WAKSMAN, S. A.

Soil microbiology. New York, Wiley; London, C. & H., [1952]. pp.356, illus., tables, diagrs., bibliog. $6 or 58s. *(B) 216*

CROPS

WILLIAMS, M.

Milk and money from grass. Ipswich (Suffolk), Dairy Farmer (Books), 1952 [1953]. pp.114, col. front., plates, tables, diagrs. 15s. *(A) 217*

FRUIT GROWING

The fruit year book

The fruit year book. No. 5: 1953; ed., P. M. Synge. Royal Horticultural Society, 1952. pp. 137, front., plates (some col.). 15s. *(D) 218*

HORTICULTURE

The daffodil and tulip year book

The daffodil and tulip year book. No. 18 : 1953; ed., P. M. Synge. Royal Horticultural Society, 1952. pp.191, front., plates, tables, diagrs. 15s. *(D) 219*

The lily year book

The lily year book. No. 16 : 1953; ed., P. M. Synge. Royal Horticultural Society, 1952. pp.167, front. (port.), plates, table, diagrs. 15s. *(D) 220*

LIVESTOCK

BURNS, M.

The genetics of the dog. Farnham Royal (Bucks), Commonwealth Agricultural Bureaux, 1952. pp.viii,122, front., illus., plates, tables, diagrs. 12s. 6d. *Commonwealth Bureau of Animal Breeding and Genetics, technical communications, no. 9.* (*C*) *221*

MILLAR, P. G., *and* RAS, N. P.

Manual of infertility and artificial insemination in cattle. Baillière, Tindall & Cox, 1952. pp.xv,339, illus., plates, diagrs. 25s. (*B*) *222*

MILLER, W. C., *and* ROBERTSON, E. D. S.

Practical animal husbandry. 6th ed. rev. and enlarged. Edinburgh, London, O. & B., 1952. pp.xii,607, front., illus., plates, tables, diagrs., bibliog. 25s. 'Previous ed. 1947.' (*B*) *223*

SNAPP, R. R.

Beef cattle; with a chapter on sterility by H. Hardenbrook. 4th ed. New York, Wiley; London, C. & H., [1952]. pp.xiv,641, front., illus., maps, tables, diagrs. $6.50 or 52s. 'Previous ed. 1939' (*B*) *224*

DAIRYING

ESPE, D. L., *and* SMITH, V. R.

Secretion of milk. Ames (Iowa), State College Press, 1952. pp.x,291, illus. $3.95. (*B*) *225*

PRINTING AND PUBLISHING

JOY, T.

Bookselling. Pitman, 1952. pp.xii,159, tables. 15s. (*A*) *226*

The Penrose annual, 1953

The Penrose annual, 1953: a review of the graphic arts. Vol. 47, ed. by R. B. Fishenden. Lund Humphries, [1953]. pp.[14],140, col. front., illus., plates, tables, diagrs. 30s. (*D*) *227*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

Universal copyright convention. 2nd ed. Paris, Unesco, 1952. pp.24. 50¢.; 2s. 6d.; 125 fr. 'Parallel texts in English, French, and Spanish.' (*B*) *228*

TRANSPORT

GIBBS, C. R. V.

Passenger liners of the Western Ocean: a record of the North Atlantic steam and motor passenger vessels from 1838 to the present day. Staples Press, 1952. pp.352, front., illus., tables. 30s. (*B*) *229*

INDUSTRIAL ORGANIZATION

BRITISH ELECTRICAL DEVELOPMENT ASSOCIATION

Lighting in industry. The Association, [1953]. pp.xii,154, illus., tables, diagrs. 8s. 6d. *Electricity and productivity series, no. 2.* (*B*) *230*

BRITISH PRODUCTIVITY COUNCIL

Plant maintenance: report of a visit to the U.S.A. in 1952 of a specialist team on plant maintenance. The Council, 1952. pp.66, plates, tables, diagrs. 2s. 6d. *Productivity reports.* (*A*) *231*

CHEMICAL TECHNOLOGY

VAIL, J. G., *and others*

Soluble silicates; their properties and uses. Vol. 1: Chemistry; assisted by J. H. Wills and the staff of Philadelphia Quartz Company. New York, Reinhold; London, C. & H., 1952. pp.xii,357, illus., tables, diagrs. $9 or 72s. *American Chemical Society monograph, no. 116.* (*C*) *232*

Fuel Technology

AMERICAN SOCIETY FOR TESTING MATERIALS *and* **INSTITUTE OF PETROLEUM**

ASTM-IP petroleum measurement tables. British ed.; British (Imperial) units of measurement. Institute of Petroleum, 1952. pp.xv,416, tables. 50s. (*D*) *233*

The science of petroleum

The science of petroleum. Vol. 6: The world's oilfields. Part 1: The eastern hemisphere; ed. by V. C. Illing. O.U.P., 1953. pp.viii,174, plates, maps, tables, diagrs., bibliog. 52s. 6d. (*B*) *234*

STANDING, M. B.

Volumetric and phase behaviour of oil field hydrocarbon systems. New York, Reinhold; [London, C. & H.], 1952. pp.vi,123, tables, diagrs., bibliog. $10 or 80s. (*C*) *235*

Metallurgy

BARNETT, C. S.

Structure of metals: crystallographic methods, principles, and data. 2nd ed. New York, London, McG.-H., [1953]. pp.xvi,661, illus., tables, diagrs. 72s. 6d. *Metallurgy and metallurgical engineering series, ed. by R. F. Mehl.* 'Previous ed. 1943.' (*C*) *236*

BRITISH IRON AND STEEL RESEARCH ASSOCIATION

Spectrographic analysis of low-alloy steels. Iron and Steel Institute, 1952. pp.83, plates, tables, diagrs., bibliog. 15s. *Iron and Steel Institute special report no. 47.* (*C*) *237*

[See also *193*]

MANUFACTURES

Metals

ALUMINIUM DEVELOPMENT ASSOCIATION

Painting practice for aluminium. The Association, 1952. pp.19, tables. 2s. *Aluminium Development Association bulletin no. 20.* (*A*) *238*

Wood

BRITISH WOOD PRESERVING ASSOCIATION

Record of the 1952 annual convention, Cambridge, June 23rd–25th, 1952. The Association, [1953]. pp.iv,192, front., plates, tables, diagrs. 8s. 6d. (*B*) *239*

HAYWARD, C. H.

Light machines for woodwork: saws, planers, spindles, sanders, powered hand tools, etc. Evans Bros., 1952. pp.[6],199, front., illus., diagrs. 9s. 6d. *Woodworker handbooks.* (*A*) *240*

Paper

[See *178, 179*]

TEXTILES

Review of textile progress

Review of textile progress. Vol. 3. Manchester, Textile Institute; Bradford, Society of Dyers and Colourists, 1952. pp.590, tables. 35s. (*C*) *241*

SPEEL, H. C., *ed.*

Textile chemicals and auxiliaries. New York, Reinhold; [London, C. & H.], 1952. pp.v,493, illus., tables, diagrs., bibliog. $10 or 80s. (*B*) *242*

STRONG, J. H.

Foundations of fabric structure. 2nd ed. National Trade Press, 1953. pp.250, col. front., illus., diagrs. 25s. 'Previous ed. 1946.' (*B*) *243*

BUILDING

GREAT BRITAIN. Ministry of Housing and Local Government

Model byelaws. Series 4: Buildings. H.M.S.O., 1952. pp.76. 2s. (*B*) *244*

WOOD, R. D.

Building price handbook; based on the 'Standard method of measurement of building works' (4th ed.). Estates Gazette, [1952]. pp.159, tables. 15s. (*B*) *245*

TOWN AND COUNTRY PLANNING

WALDRAM, J. M.

Street lighting; with chapters on gas lighting by T. L. Minchin. Edward Arnold, 1952. pp.xv,431, front., illus., tables, diagrs., bibliog. 65s. *Roadmakers' library, ed. by P. E. Spielman, no. 12.* (*C*) *246*

ARCHITECTURE

MARTIN, B.

School buildings, 1945–1951. Crosby Lockwood, 1952. pp.128, front., illus., diagrs., bibliog. 25s. (*B*) *247*

ROBERTSON, H.

Modern architectural design. Rev. ed. Architectural Press, 1952. pp.228, illus., plans, diagrs. 25s. 'Previous ed. 1932.' (*B*) *248*

PHOTOGRAPHY

HELMER-PETERSEN, K.

Colour before the camera. Fountain Press, 1952. pp.48, col. illus. 7s. 6d. *Colourfacts series, ed. by W. J. Pilkington, no. 1.* (*A*) *249*

JONES, G. A.

High speed photography; its principles and applications.. C & H., 1952. pp.xvi,311, front., illus., tables, diagrs., bibliog. 42s. (*A*) *250*

PILKINGTON, W. J.

Colour separation negatives. Fountain Press, 1952. pp.49–104, illus., diagrs. 7s. 6d. *Colourfacts series, ed. by W. J. Pilkington, no. 2.* (*B*) *251*

WAKEFIELD, G. L., *and* **SMITH, N. W.**

Synchro-flash photography. 3rd ed. Fountain Press, 1952. pp.179, illus., plates, tables, diagrs. 27s. 6d. 'Previous ed. 1947.' (*B*) *252*

GEOGRAPHY

LYNAM, E.

The mapmaker's art: essays on the history of maps. Batchworth Press, 1953. pp.xii,140, illus., maps, facsims., bibliog. 21s. (*A*) *253*

PUBLISHERS

The following abbreviations are used in the *Aslib Book-List*.

A. & U. : Allen & Unwin

C. & H. : Chapman and Hall

C.U.P. : Cambridge University Press

H.M.S.O. : Her Majesty's Stationery Office

L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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GENERAL SCIENCE

SCHOOL SCIENCE REVIEW

The science masters' book: experiments and further material selected from *The School Science Review*. Series 3, part 3: Biology; ed. and arranged by R. H. Dyball, H. P. Ramage, C. H. Rice. John Murray, 1952. pp.x,275, illus., tables, diagrs., bibliog. 17s. (*B*) *254*

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ASSOCIATION OF SCIENTIFIC WORKERS. Film Committee

Graded list of scientific films. 2nd ed. Harvey & Blythe, 1952 [1953]. pp.v,73. 6s. 6d. 'Previous ed. 1945.' (*D*) *255*

GREAT BRITAIN. Admiralty. Hydrographic Department

Catalogue of Admiralty charts and other hydrographic publications, 1952 (complete ed.). The Department, 1952. pp.ii,79, maps, tables. 5s. 'Obtainable through Edward Stanford Ltd.' (*D*) *256*

GREAT BRITAIN. Directorate of Colonial Surveys. Records Section

Catalogue of maps (provisional). Tolworth (Surrey), the Directorate, [1952]. pp.ii,20, tables. 2s. 6d. 'Obtainable through Edward Stanford Ltd.' (*D*) *257*

GREAT BRITAIN. Her Majesty's Stationery Office

Consolidated index to government publications, 1941–1945. H.M.S.O., 1953. pp.[2],87. 5s. (*D*) *258*

GREAT BRITAIN. War Office. General Staff. Geographical Section

Interim catalogue of maps. War Office, 1952. pp.iv,16, maps. 5s. 'Obtainable through Edward Stanford Ltd.' (*D*) *259*

UNITED STATES. Library of Congress. European Affairs Division

Political science in Western Germany; thoughts and writings, 1950–1952, by A. R. L. Gurland. Washington, the Library, 1952. pp.viii,118. $1. (*D*) *260*

UNITED STATES. Library of Congress. European Affairs Division

War and postwar Greece: an analysis based on Greek writings; prepared by F. A. Spencer. Washington, the Library, 1952. pp.xv,175. $1.15. (*D*) *261*

[See also *321*]

LIBRARIANSHIP

LIBRARY ASSOCIATION. Reference and Special Libraries Section. South Eastern Group

Photographic literature; a symposium. The Group, 1953. pp.20. 2s. 9d. (2s. to members). *Library resources in the Greater London area, no. 2.* (*B*) *262*

LONDON. National Film Library

Rules for use in the cataloguing department. 2nd rev. ed. British Film Institute, 1952. pp.v,37, tables, diagrs. 5s. 'Previous ed. 1951.' (*D*) *263*

MORTON, L. T.

How to use a medical library; a guide for practitioners, research workers and students. 2nd ed. Heinemann Medical Books, 1952 [1953]. pp.vii,44, bibliog. 5s. 'Previous ed. Bale, 1934.' (*B*) *264*

TAUBER, M. F., *ed.*

The subject analysis of library materials; papers presented at an Institute, June 24–28, 1952, under the sponsorship of the School of Library Service, Columbia University, and the A.L.A. Division of Cataloging and Classification. New York, Columbia University, School of Library Science, 1953. pp.iv,235. $2.75. (*B*) *265*

UNITED STATES. Library of Congress. Descriptive Cataloging Division

Rules for descriptive cataloging in the Library of Congress; phonorecords. Preliminary ed. Washington, the Library, 1952. pp.iv,10. Gratis. (*B*) *266*

SOCIAL SCIENCES

[See *261*, *274*]

Political Science

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Economics

BERRIMAN, A. E.

Historical metrology: a new analysis of the archaeological and the historical evidence relating to weights and measures. London, Dent; New York, Dutton, 1953. pp.xvi,224, front., illus., maps, tables, diagrs., bibliog. 16s. (*B*) *267*

CANNAN, E.

A history of the theories of production & distribution in English political economy from 1776 to 1848. 3rd ed. Staples Press, 1953. pp.xi,336, tables. 21s. 'This ed. first published London, P. S. King, 1917.' (*B*) *268*

GAYER, A. D., *and others*

The growth and fluctuation of the British economy, 1790–1850: an historical, statistical and theoretical study of Britain's economic development, by A. D. Gayer, W. W. Rostow, A. J. Schwartz, with the assistance of I. Frank. Oxford, Clarendon Press, 1953. 2 v. tables, diagrs., bibliog. 84s. 'Prepared under the auspices of the Columbia University Council for Research in the Social Sciences. Vol. 1, pp.xxxvi,528. Vol. 2, pp.xii,529–1028.' (*C*) *269*

WORSWICK, G. D. N., *and* **ADY, P. H.,** *eds.*

The British economy, 1945–1950. Oxford, Clarendon Press, 1952. pp.viii,621, tables, bibliog. 35s. (*B*) *270*

EDUCATION

DERRICK, R. A.

Vocational training in the South Pacific. Published under the auspices of the South Pacific Commission by O.U.P., 1952. pp.ix,266, maps, tables. 30s. 'Maps on endpapers.' (*A*) *271*

INCORPORATED ASSOCIATION OF ASSISTANT MASTERS IN SECONDARY SCHOOLS

The teaching of geography in secondary schools. G. Philip, 1952 [1953]. pp.xiv,512, illus., maps, bibliog. 17s. 6d. 'Previous ed. published as *Memorandum on the teaching of geography*, 1939.' *(B) 272*

NATIONAL FOUNDATION FOR EDUCATIONAL RESEARCH IN ENGLAND AND WALES

The allocation of primary school leavers to courses of secondary education. 2nd interim report: secondary school entrance examinations; a study of some of the factors influencing scores in objective tests with particular reference to coaching and practice, by A. F. Watts, D. A. Pidgeon and A. Yates. Published for the Foundation by Newnes Educational Publishing Co., [1953]. pp.77, tables, diagrs. 6s. 6d. *National Foundation for Educational Research in England and Wales publications, no. 6.* *(C) 273*

NICHOLSON, F. J., *and* **WRIGHT, V. K.**

Social studies for future citizens. Harrap, 1953. pp.96, plates, diagrs., bibliog. 7s. 6d. *(B) 274*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

Study abroad; international handbook: fellowships, scholarships, educational exchange. Vol. V, 1952–1953. Paris, Unesco, 1952. pp.436, tables. $2; 7s. 6d.; 350 fr. *(D) 275*

[See also *254*]

ASTRONOMY

EVANS, D. S.

Teach yourself astronomy. English Universities Press, 1952 [1953]. pp.ix,182, illus., plates, tables, diagrs., bibliog. 6s. *Teach yourself books, ed. by L. Cutts.* *(A) 276*

GEODESY

MONKHOUSE, F. J., *and* **WILKINSON, H. R.**

Maps and diagrams; their compilation and construction. London, Methuen; New York, Dutton, 1952. pp.xvi,330, plates, maps, tables, diagrs. 25s. *(B) 277*

[See also *298*]

PHYSICS

MERIAM, J. L.

Mechanics. Part 2: Dynamics. New York, Wiley; London, C. & H., [1952]. pp.671, illus., tables, diagrs. 32s. *(B) 278*

ROSE, H. E.

Measurement of particle size in very fine powders; four lectures delivered at King's College, London. Constable, 1953. pp.127, illus., tables, diagrs. 9s. *(C) 279*

WALSH, J. W. T.

Photometry. 2nd rev. ed. Constable, 1953. pp.xxiv,544, front., plates, tables, diagrs., bibliog. 63s. 'Previous ed. 1926.' *(B) 280*

CHEMISTRY

BARNETT, E. de B., *and* **WILSON, C. L.**

Inorganic chemistry; a textbook for advanced students. London, New York [etc.], L.G., 1953. pp.xiv,512, tables, diagrs. 35s. *(B) 281*

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Advances in geophysics

Advances in geophysics, 1952; ed. by H. E. Landsberg. Vol. 1. New York, Academic Press, 1952. pp.xi,362. $7.80. *(B) 282*

STEERS, J. A.

The sea coast. Collins, 1953. pp.xii,276, plates (some col.), maps, tables, diagrs. 25s. *New naturalist series.* *(B) 283*

BOTANY

WISE, L. E., *and* **JAHN, E. C.**

Wood chemistry. 2nd ed. New York, Reinhold; [London, C. & H.]. 2v. fronts. (ports.), illus., tables, diagrs. $15 or 120s. each. *American Chemical Society monograph, no. 97.* 'Vol. 1. Dec. 1952. pp.vii,688,xxxii. Vol. 2, Feb. 1953. pp.ix,689–1343. Previous ed., edited by L. E. Wise, 1944.' *(B) 284*

ZOOLOGY

PETERS, W.

A provisional check-list of the butterflies of the Ethiopian region. 91 Bedfont Lane, Feltham (Middlesex), E. W. Classey, 1952. pp.201, tables. 45s. *(C) 285*

PHARMACY

TREASE, G. E.

Textbook of pharmacognosy. 6th ed. Baillière, Tindall & Cox, 1952. pp.viii,821, illus., maps, tables, diagrs. 37s. 6d. 'Previous ed. 1949.' *(B) 286*

VETERINARY SCIENCE

WRIGHT, J. G.

Veterinary anaesthesia. 3rd ed. Baillière, Tindall & Cox, 1952. pp.viii,267, illus., tables, diagrs. 21s. 'Previous ed. 1947.' *(B) 287*

ENGINEERING

Testing Materials

URRY, S. A.

Solution of problems in strength of materials. Pitman, 1953. pp.vii,381, tables, diagrs. 20s. *(B) 288*

Mechanical

PORTER, A.

Introduction to servomechanisms. 2nd ed. London, Methuen; New York, Wiley, 1953. pp.vii,176, diagrs., bibliog. 8s. 6d. *Methuen's monographs on physical subjects, ed. by B. L. Worsnop.* 'Previous ed. 1950.' *(B) 289*

Electrical

BRITISH ELECTRICAL DEVELOPMENT ASSOCIATION

Higher industrial production with electricity The Association, [1953]. pp.xv,146, illus., tables, diagrs. 8s. 6d. *Electricity and productivity series, no. 1.* *(B) 290*

HENNEY, K., *and* **FAHNESTOCK, J. D.**

Electron tubes in industry. 3rd ed. New York, London [etc.], McG.-H., 1952. pp.x,353, tables, diagrs., bibliog. 51s. 'Previous ed., by K. Henney, 1937.' *(C) 291*

WILSON, W.

The cathode ray oscillograph in industry. 4th ed. rev. C. & H., 1953. pp.xvi,273, front., illus., tables, diagrs. 36s. 'Previous ed. 1948.' *(B) 292*

ELECTRICAL COMMUNICATIONS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY. Radar School

Principles of radar, by members of the staff of the Radar School, Massachusetts Institute of Technology. 3rd ed. by J. F. Reintjes [and] G. T. Coate. New York, London, [etc.], McG.-H., 1952 [1953]. pp.xv,985, illus., tables, diagrs. $7.75 or 55s. 6d. 'Previous ed. 1946.' *(C) 293*

INTERNAL COMBUSTION

MOLLOY, E., *ed.*

Diesel engine manual; intended for erectors, installation and plant engineers, and all interested in the practical aspect of diesel engine operation, prepared by a staff of experts under the direction of E. Molloy. 2nd rev. ed. Newnes, 1953. pp.224, illus., tables, diagrs. 17s. 6d. 'Previous ed. 1950.' *(B) 294*

RICARDO, *Sir* H. R.

The high-speed internal combustion engine. 4th ed. rewritten. London, Glasgow, Blackie, 1953. pp.ix,420, illus., plates, tables, diagrs. 40s. 'Previous ed. 1941.' *(C) 295*

WORKSHOP PRACTICE

BRITISH PRODUCTIVITY COUNCIL

Metalworking machine tools: report of a productivity team representing the British machine tool industry, which visited the United States of America in 1951. The Council, 1953. pp.xi,86, illus., map, tables, diagrs. 3s. 6d. *(A) 296*

GRAINGER, J. A.

Presswork and presses: a treatise on the problems of light presswork, press-tool design, and press operation. Machinery Publishing Co., [1952]. pp.259, illus., diagrs. 55s. *(C) 297*

MINING

HADDOCK, M. H.

The basis of mine surveying. C. & H., 1952. pp.ix,301, illus. 30s. *(B) 298*

NAVAL

VERNEY, M.

Amateur boatbuilding. 2nd ed. John Murray, 1952. pp.xiv,218, illus., tables, diagrs., bibliog. 10s. 6d. 'Previous ed. 1948.' *(B) 299*

CIVIL

BILLIG, K.

Prestressed concrete. Macmillan, 1952. pp.x,470, illus., tables, diagrs., bibliog. 36s. *(C) 300*

SANITARY

ESCRITT, L. B.

Building sanitation; design and specification with special reference to country house problems. Macdonald & Evans, 1953. pp.xi,167, illus., plates, tables, diagrs. 25s. *(C) 301*

AUTOMOBILE

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AERONAUTICAL

DOMMASCH, D. O.

Principles of aerodynamics. Pitman, 1953. pp.xvii,389, tables, diagrs., bibliog. 45s. *Aeronautical engineering series.* *(B) 302*

AGRICULTURE

BOLTON, L. W.

Cost accountancy in agriculture. Gee, 1952. pp.88, illus. 17s. 6d. *(B) 303*

BRANSTON, B.

Time and motion on the farm. Faber, 1953. pp.123, tables, diagrs. 15s. *(A) 304*

HANDLEY, J. E.

Scottish farming in the eighteenth century. Faber, 1953. pp.314, tables, bibliog. 25s. *(B) 305*

WHETHAM, E. H.

British farming 1939–49. Nelson, 1952 [1953]. pp.vii,172, tables, bibliog. 12s. 6d. *Nelson's agricultural series, ed. by Sir W. G. Ogg and G. V. Jacks.* *(A) 306*

MACHINERY

SOUTHWELL, P. H.

The agricultural tractor. Temple Press, in association with *Farm Mechanization*, 1953. pp.xiii,170, illus., tables, diagrs. 15s. *(A) 307*

PESTS

ROBBINS, W. W., *and others*

Weed control; a textbook and manual, by W. W. Robbins, A. S. Crafts and R. N. Raynor. 2nd ed. New York, London [etc.], McG.-H., 1952 [1953]. pp.xi,503, front., illus., tables, diagrs. 57s. 6d. *McGraw-Hill publications in the agricultural sciences, ed. by R. A. Brink.* 'Previous ed. 1942.' *(B) 308*

FORESTRY

GREAT BRITAIN. Forestry Commission

Census of woodlands 1947–1949: woodlands of five acres and over; [compiled by J. S. R. Chard]. H.M.S.O., 1952 [1953]. pp.264, plates, maps, tables, diagrs. 12s. 6d. *Census report no. 1.* *(B) 309*

LIVESTOCK

FELTWELL, R.

Turkey farming. Faber, 1953. pp.333, plates, plans, tables, diagrs. 36s. *(B) 310*

HAGEDOORN, A. L., *and* **SYKES, G.**

Poultry breeding; theory and practice. Crosby Lockwood, 1953. pp.240, illus., plates, tables, diagrs., bibliog. 18s. *Agricultural and horticultural series.* *(B) 311*

WILSON, W. K.

Modern rabbit husbandry. Crosby Lockwood, 1952 [1953]. pp.159, plates, tables. 10s. 6d. *(A) 312*

PRINTING AND PUBLISHING

KEIR, D. E.

The house of Collins: the story of a Scottish family of publishers from 1789 to the present day. Collins, 1952. pp.303, front., plates. 15s. *(A) 313*

CHEMICAL TECHNOLOGY

METALLURGY

BRITISH IRON AND STEEL RESEARCH ASSOCIATION. Metallurgy (General) Division. Thermal Treatment Sub-Committee

Physical constants of some commercial steels at elevated temperatures (based on measurements made at the National Physical Laboratory, Teddington). Butterworth, 1953. pp.x,38, tables, diagrs., bibliog. 21s. *(C) 314*

MANUFACTURES

METAL

AITCHISON, L., *and* KONDIC, V.

The casting of non-ferrous ingots. Macdonald & Evans, 1953. pp.xxi,370, front., tables, diagrs. 42s. *(B) 315*

AUSTIN, J. B.

Electric arc welding. Chicago, American Technical Society; Kingston (Surrey), Technical Press, 1952. pp.viii,280, front., illus., tables. 32s. *(A) 316*

BRITISH WELDING RESEARCH ASSOCIATION

Memorandum on non-destructive methods for the examination of welds. The Association, 1952. pp.63, illus., tables, diagrs. 5s. *(C) 317*

BRITISH WELDING RESEARCH ASSOCIATION

The welding of austenitic corrosion- and heat-resisting steels. The Association, 1953. pp.[4],207, illus., tables, diagrs., bibliog. 27s. 6d. *(B) 318*

WOOD

FINDLAY, W. P. K.

Dry rot and other timber troubles. Hutchinson, 1953. pp.267, col. front., illus., tables, diagrs., bibliog. 25s. *Hutchinson's scientific and technical publications.* *(B) 319*

TEXTILES

MONCRIEFF, R. W.

Wool shrinkage and its prevention. National Trade Press, 1953. pp.viii,576, front., illus., tables, diagrs., bibliog. 75s. *(B) 320*

TEXTILE INSTITUTE

Yearbook of the Textile Institute and library catalogue. No. 5: 1952–53. Manchester, the Institute, [1953]. Pagination various. Tables. 15s. to non-members. *(D) 321*

Worrall's Indian textile and engineering diary, 1953

Worrall's Indian textile and engineering diary 1953: an annual publication compiled as a medium to develop and further mutual trade relationships between the makers and merchants of textile machinery, accessories, supplies, etc., and the textile and allied firms of India and Pakistan, to which it is distributed gratis. 64th ed. Oldham, Worrall, [1952]. pp.650, illus., tables. 49s. 6d. *(D) 322*

BUILDING

GREAT BRITAIN. Building Research Board

Report of the Building Research Board, with the report of the Director of Building Research, for the year 1951. H.M.S.O., 1952. pp.iv,78, illus., plates, tables, diagrs., bibliog. 4s. 6d. *(B) 323*

TOWN AND COUNTRY PLANNING

GIBBERD, F.

Town design. Architectural Press, 1953. pp.300, illus., maps, plans. 73s. 6d. *(B) 324*

GREAT BRITAIN. Ministry of Housing and Local Government

Design in town and village. H.M.S.O., 1953. pp.120, front., illus., plans. 7s. 6d. *(A) 325*

PHOTOGRAPHY

DALZELL, J. M.

Practical stereoscopic photography. 2nd ed. rev. and enlarged by E. F. Linssen. Kingston (Surrey), Technical Press, 1953. pp.xv,240, front., plates, tables. 18s. 6d. 'Previous ed. 1936.' *(B) 326*

JONES, G. A.

Modern applied photography. Temple Press, 1953. pp.vi,162, front., plates, bibliog. 9s. 6d. *Technical trends.* *(B) 327*

NEWCOMBE, H. S.

35-mm. photo technique: miniature camera practice. 7th ed. Focal Press, 1952. pp.323, plates, tables, diagrs. 17s. 6d. 'Previous ed. 1951.' *(A) 328*

NIBBELINK, D. D.

Bigger and better; the book of enlarging. New York, Garden City Books, 1952. pp.253, illus. $2.95. *(B) 329*

RUSSELL, H. G.

A handbook of miniature photography. Kaye, 1952. pp.284, front. (port.), tables, diagrs. 25s. *(B) 330*

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CINEMATOGRAPHY

[See *255*]

GEOGRAPHY

[See *256, 257, 259, 272*]

PUBLISHERS

The following abbreviations are used in the *Aslib Book-List.*

A. & U. : Allen & Unwin

C. & H. : Chapman and Hall

C.U.P. : Cambridge University Press

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L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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MAY 1953
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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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GENERAL SCIENCE

BRITISH COMMONWEALTH SCIENTIFIC CONFERENCE, 2nd, Australia, 1952

Report of proceedings. H.M.S.O., 1952 [1953]. pp.74, tables. 3s. *(B) 331*

DOCUMENTATION

ROYAL SOCIETY

The transliteration of Russian, Serbian and Bulgarian for bibliographical purposes; [prepared by H. S. Bushell]. The Society, 1953. pp.16, tables. 1s. *(B) 332*

BIBLIOGRAPHY

CEMENT AND CONCRETE ASSOCIATION

Bibliography of cement and concrete: list of books and papers in London libraries arranged in chronological order. The Association, 1952. pp.[1],96. Gratis. *(D) 333*

FOOD AND AGRICULTURAL ORGANIZATION OF THE UNITED NATIONS

Fisheries technology literature. Rome, F.A.O., 1952. pp.48. No price available. 'Supplement to *World Fisheries Abstracts*, vol. 3. Printed for cutting into index cards.' *(D) 334*

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LIBRARIANSHIP

BLISS, H. E.

A bibliographic classification, extended by systematic auxiliary schedules for composite specification and notation. New York, the H. W. Wilson Company, 1952–3. 4v. in 3. tables. $45. 'Vols. 1–2, 2nd ed.' *(D) 335*

DIRECTORIES AND YEARBOOKS

INTERNATIONAL TIN STUDY GROUP

Statistical yearbook, 1952; tin, tinplate and canning. 7 Carel van Bylantlaan, The Hague, the Group, 1952. pp.250, maps. 40s. *(D) 336*

Iron & steel directory

Iron & steel directory. 7th ed. Louis Cassier, 1953. pp.386, tables. 25s. 'Previous ed. 1950.' *(D) 337*

Motor cycling year book 1953

Motor cycling year book 1953; compiled by P. Chamberlain and the staff of *Motor Cycling*. Temple Press, 1953. pp.vii,188, front., illus., tables. 8s. 6d. *(A) 338*

Rubber trade directory of Great Britain

Rubber trade directory of Great Britain, [1952–53]: a comprehensive, fully classified guide to all sections of the industry and to suppliers of all raw materials (including chemicals and textiles), laboratory and other equipment, machinery, and ancillary products used by manufacturers of rubber goods. 2nd ed. Maclaren & Sons, 1952 [1953]. pp 855. 63s. 'List of contents and subject index in English, French, German and Spanish. Previous ed. 1951.' *(D) 339*

PSYCHOLOGY

MACE, C. A., *and* **VERNON, P. E.,** *eds.*

Current trends in British psychology. Methuen, 1953. pp.viii,262, illus., plates, tables, diagrs., bibliog. 15s. *(B) 340*

SOCIAL SCIENCES

JAMES, H. E. O., *and* **TENN, C.**

The teacher was black: an experiment in international understanding sponsored by Unesco. Heinemann, 1953. pp.viii,120, tables. 10s. 6d. *Heinemann educational series, ed. by V. Mallinson, P. Volkov, A. Hill.* 'A study of the attitudes of school children, aged 11/15, towards foreigners, before and after personal contact.' *(A) 341*

PATTERSON, S.

Colour and culture in South Africa: a study of the status of the Cape coloured people within the social structure of the Union of South Africa. Routledge & Kegan Paul, 1953. pp.vi,402, tables, bibliog. 30s. *International library of sociology and social reconstruction, ed. by W. J. H. Sprott.* *(A) 342*

Economics

GOLDBERG, R. A.

The soybean industry, with special reference to the competitive position of the Minnesota producer and processor. Minneapolis, University of Minnesota Press; London, O.U.P., [1953]. pp.xv,186, maps, tables, diagrs., bibliog. $5 or 40s. *(B) 343*

MASSINGHAM, H. J., *and* **HYAMS, E.**

Prophecy of famine; a warning and a remedy. Thames & Hudson, 1953. pp.192. 12s. 6d. *(A) 344*

SCHULTZ, T. W.

The economic organization of agriculture. New York, London, McG.-H., 1953. pp.xx,374, maps, tables, diagrs. 47s. *(B) 345*

Public Administration

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

Travel abroad; frontier formalities, facilities for educational travel. Rev. ed. Paris, Unesco, 1952 [1953]. pp.[358]. $4.50; 25s.; 1,250 fr. *(A) 346*

EDUCATION

CURTIS, S. J., *and* **BOULTWOOD, M. E. A.**

A short history of educational ideas. University Tutorial Press, 1953. pp.xii,516, bibliog. 18s. 6d. *(B) 347*

GREAT BRITAIN. Ministry of Education. Central Advisory Council for Education (Wales)

The place of Welsh and English in the schools of Wales. H.M.S.O., 1953. pp.xii,111, maps, tables. 12s. 6d. *(B) 348*

MELVIN, A. G.

General methods of teaching. New York, London, [etc.], 1952. pp.ix,251, front., bibliog. 32s. *(B) 349*

RANGANATHAN, S. R.

Social education literature for authors, artists, publishers, teachers, librarians, and governments. Delhi, Atma Ram for Indian Adult Education Association; London, Blunt, 1952. pp.351. 24s. *Indian Adult Education Association English series, 5.* *(C) 350*

Schools, 1953

Schools, 1953: the most complete directory of the schools in Great Britain and Northern Ireland, arranged in order of their counties and towns; including statistical information regarding recognised public schools for boys and a supplementary list of schools on the Continent. Truman & Knightley, [1953]. pp.777, illus., tables. 6s. 6d. *(D) 351*

[See also *341, 346*]

MATHEMATICS

BLUMENTHAL, L. M.

Theory and application of distance geometry. Oxford, Clarendon Press, 1953. pp.xi,347, bibliog. 50s. *(C) 352*

SIERPINSKI, W.

General topology; tr. [from the Polish] by C. C. Krieger. Toronto, University Press; London, O.U.P., 1952. pp.xii,290. $6 or 48s. *Mathematical expositions, no. 7.* *(C) 353*

WILDER, R. L.

Introduction to the foundations of mathematics. New York, Wiley; London, C. & H., [1953]. pp.xiv,305, tables, bibliog. $5.75 or 46s. *(B) 354*

ASTRONOMY

LYTTLETON, R. A.

The comets and their origin. C.U.P., 1953. pp.x,173, plates, tables, diagrs., bibliog. 25s. *(B) 355*

PHYSICS

DUNCAN, W. J.

Physical similarity and dimensional analysis; an elementary treatise. Edward Arnold, 1953. pp.vii,156, tables, diagrs. 30s. *(B) 356*

GLASSTONE, S., *and* **EDLUND, M. C.**

The elements of nuclear reactor theory. New York, Van Nostrand; London, Macmillan, 1953. pp.viii,416, tables, diagrs. $4.80 or 35s. *(C) 357*

TORNEBOHM, H.

Logical analysis of the theory of relativity. Stockholm, Almqvist & Wiksell, 1952. pp.273. 30 kr. *(C) 358*

CHEMISTRY

[See *380, 381*]

GEOLOGY

GEOLOGICAL SURVEY AND MUSEUM

Classified geological photographs selected from the collections of the Geological Survey and Museum, by M. O. Morris. H.M.S.O., 1952. pp.iv,125. 3s. 6d. *(D) 359*

METEOROLOGY

GREAT BRITAIN. Meteorological Office

A century of London weather, by W. A. L. Marshall. H.M.S.O., 1952 [1953]. pp.[1],103, plates, tables, diagrs. 15s. *(A) 360*

SUTTON, O. G.

Micrometeorology: a study of physical processes in the lowest layers of the earth's atmosphere. New York, London [etc.], McG.-H., 1953. pp.xii,333, front., tables, diagrs. 61s. *(B) 361*

PALAEONTOLOGY

SHROCK, R. R., *and* **TWENHOFEL, W. H.**

Principles of invertebrate paleontology. 2nd ed. New York, London [etc.], McG.-H., 1953. pp.xx,816, front., illus., tables, diagrs., bibliog. 102s. *McGraw-Hill series in geology, ed. by R. R. Shrock.* 'Previous ed. published as *Invertebrate paleontology* by W. H. Twenhofel and R. R. Shrock. McGraw-Hill, 1935.' *(C) 362*

BOTANY

CROIZAT, L.

Manual of phytogeography, or, An account of plant dispersal throughout the world. The Hague, Junk, 1952. pp.viii,587, maps. 45 glds. *(C) 363*

GAUMANN, E. A.

The fungi; a description of their morphological features and evolutionary development; tr. from the German and arranged as an American text by F. L. Wynd. Hafner, 1952 [1953]. pp.420, illus., tables, bibliog. 72s. 6d. 'Originally published as *Die Pilze.* Basel, Verlag Birkhauser A.G., 1949.' *(C) 364*

ZOOLOGY

GAUL, A. T.

The wonderful world of insects. New York, Rinehart, 1953. pp.290, plates. $4. *(A) 365*

MOSELY, M. E., *and* **KIMMINS, D. E.**

The Trichoptera (caddis-flies) of Australia and New Zealand. British Museum (Natural History), 1953. pp.[6], 550, illus., diagrs. 90s. *(C) 366*

RICKETS, E. F., *and* **CALVIN, J.**

Between Pacific tides: an account of the habits and habitats of some five hundred of the common, conspicuous seashore invertebrates of the Pacific coast between Sitka, Alaska, and Northern Mexico. 3rd ed. rev. by J. W. Hedgpeth. Stanford (Calif.), University Press; London, O.U.P., 1952 [1953]. pp.xiii,502, col. front., illus., tables, diagrs., bibliog. $6 or 48s. 'Map on endpapers. Previous ed. 1948.' *(B) 367*

PHARMACY

CHEMIST AND DRUGGIST

Diseases and remedies: a concise survey of the most modern methods of medicine; prepared expressly for the drug trade. 9th ed. completely rewritten. *Chemist & Druggist*, 1953. pp.[4],211, tables. 15s. 'Previous ed. 1942.' *(B) 368*

MEYLER, L.

Side effects of drugs; tr. by Ph. Vuijsje and W. Mulhall Corbet. Amsterdam, London [etc.], 1952. pp.xii,268, bibliog. 30s. *(B) 369*

VETERINARY SCIENCE

COFFIN, D. L.

Manual of veterinary clinical pathology. 3rd ed. Baillière, Tindall & Cox, 1953. pp.xiv,322, illus., tables, diagrs. 42s. 'Previous ed. 1945.' *(B) 370*

ENGINEERING

Testing Materials

AMERICAN SOCIETY FOR TESTING MATERIALS

Symposium on determination of elastic constants; presented at the fifty-fifth annual meeting (fiftieth anniversary meeting), New York, N.Y., June 25, 1952. The Society, 1952. pp.100, illus. $2. *(C) 371*

GREAT BRITAIN. Ministry of Supply

Strength and testing of materials. Parts 1 and 2. Published for the Technical Information and Documents Unit of the Department of Scientific and Industrial Research by H.M.S.O., 1952 [1953]. 2v. plates, tables, diagrs., bibliog. 55s. each. *Selected government research reports, vol. 6.* 'Part 1: Theoretical papers on strength and deformation. pp.[4],260. Part 2: Testing methods and test results. pp.[4],244.' *(C 372)*

Electrical

BRIGGS, G. A.

Sound reproduction. 3rd ed. rev. and enlarged. Bradford, Wharfedale Wireless Works, 1953. pp.368, front. (port.), illus., tables, diagrs. 17s. 6d. 'Previous ed. 1950.' *(A) 373*

STARR, A. T.

Radio and radar technique. Pitman, 1953. pp.xviii,812, tables, diagrs., bibliog. 75s. *(B) 374*

Naval

LONDON. SCIENCE MUSEUM

Handbook of the collections illustrating marine engineering, by H. P. Spratt. Part 2: Descriptive catalogue. H.M.S.O., 1953. pp.160, front., plates, bibliog. 7s. 6d. *(A) 375*

Civil

MANTON, B. G.

The road and the vehicle. Edward Arnold, 1953. pp.xii,216, illus., tables, diagrs. 30s. *Roadmakers' library, ed. by P. E. Spielman, no. 13.* *(A) 376*

Automobile

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AERONAUTICAL

DOMMASCH, D. O.

Elements of propeller and helicopter dynamics. Pitman, 1953. pp.xii,178, tables, diagrs. 35s. *Aeronautical engineering series.* (*C*) *377*

LISTON, J.

Power plants for aircraft. New York, London [etc.], McG.-H., 1953. pp.x,577, front., illus., plates, tables, diagrs. 72s. 6d. (*C*) *378*

MORLEY, A. W.

Aircraft propulsion theory and performance: an introductory text book for students of aeronautics. L.G., 1953. pp.viii,221, tables, diagrs., bibliog. 28s. (*B*) *379*

AGRICULTURE

CHAMBERS, W. E.

A manual of practical chemistry for students of agriculture. A. & U., 1953. pp.181, tables, diagrs. 16s. (*B*) *380*

COMBER, N. M., *and others*

An introduction to agricultural chemistry, by N. M. Comber, J. S. Willcox and W. N. Townsend. 2nd ed. Edward Arnold, 1953. pp.viii,348, tables, diagrs. 18s. 'Previous ed. 1947.' (*B*) *381*

[See also *343, 345*]

PESTS

BROOKS, F. T.

Plant diseases. 2nd ed. O.U.P., 1953. pp.xiii,457, front. (port.), illus., diagrs., bibliog. 38s. 'Previous ed. 1928.' (*B*) *382*

LIVESTOCK

SEIDEN, R., *ed.*

Poultry handbook: an encyclopaedia for good management of all poultry breeds. 2nd ed. New York, Van Nostrand; London, Macmillan, 1953. pp.xii,444, illus., tables, diagrs., bibliog. $5.95 or 45s. 'Previous ed. 1947.' (*A*) *383*

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Publishers and their addresses

Publishers and their addresses, February 1953. Whitaker, [1953]. pp.3–35. 4s. 'Printed on recto only.' (*D*) *384*

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TRANSPORT

HARNACK, E. P., *ed.*

All about ships & shipping: a handbook of popular nautical information. 9th ed. Faber, 1952. pp.xiii,707, col. front., illus., col. plates, tables, diagrs. 25s. 'Coloured map on endpapers. Previous ed. 1949.' (*A*) *385*

INDUSTRIAL ORGANIZATION

BRITISH PRODUCTIVITY COUNCIL

Inspection in industry: report of a visit to the U.S.A. in 1951 of a specialist team on inspection methods in industry. The Council, 1953. pp.72, illus., diagrs., bibliog. 3s. (*A*) *386*

BRITISH PRODUCTIVITY COUNCIL *and* **INSTITUTION OF PRODUCTION ENGINEERS. Materials Handling Sub-Committee**

As the spirit moves: case studies in material handling. The Council; the Institution, [1953]. pp.32, illus. 2s. 6d. *(A) 387*

CARROLL, P.

How to control production costs. New York, London [etc.], McG.-H., 1953. pp.xii,272, illus., tables, diagrs. 42s. 6d. *(B) 388*

CHEMICAL TECHNOLOGY

BOUNDY, R. H., *and* **BOYER, R. F.,** *eds.*

Styrene, its polymers, copolymers and derivatives; ed. by R. H. Boundy, R. F. Boyer, and S. M. Stoesser, editorial assistant. New York, Reinhold; [London, C. & H.], 1952. pp.xxii,1304, front. (port.), tables, diagrs. $20 or 160s. *American Chemical Society monographs no. 115.* *(C) 389*

SISLEY, J. P.

Encyclopaedia of surface-active agents; tr. from the French and rev. by P. J. Wood. New York, Chemical Publishing Co., 1952. pp.iv,540. $15. *(C) 390*

VAIL, J. G., *and others*

Soluble silicates; their properties and uses, by J. G. Vail, assisted by J. H. Wills and the staff of Philadelphia Quartz Company. Vol. 2: Technology. New York, Reinhold; [London, C. & H.], 1952 [1953]. pp.xxi,669, illus. (incl. ports.), tables, diagrs. $15 or 120s. *American Society Chemical monographs, no. 116.* *(C) 391*

FUEL TECHNOLOGY

The science of petroleum

The science of petroleum. Vol. 5. Part 2: Synthetic products of petroleum. General editors, B. T. Brooks, A. E. Dunstan. O.U.P., 1953. pp.x,329, plates, diagrs., bibliog. 100s. *(B) 392*

OILS AND FATS

GATTEFOSSÉ, R. M.

Formulary of perfumery and of cosmetology; a translation by A.R.I.C. of the original French edition of *Formulaire de parfumerie et de cosmetologie* by R. M. Gattefossé. Leonard Hill, 1952 [1953]. pp.xiii,252, tables. 17s. 6d. 'Originally published Paris, Girardot, 1950.' *(B) 393*

METALLURGY

INSTITUTE OF METALS

Equipment for the thermal treatment of non-ferrous metals and alloys; a symposium on metallurgical aspects of the subject held in London on the occasion of the Annual General Meeting of the Institute, 26th March 1952. The Institute, 1953. pp.104, plates, tables, diagrs. 15s. *Institute of Metals monographs and reports, no. 14.* *(C) 394*

PIGOTT, E. C.

Ferrous analysis; modern practice and theory. 2nd ed. rev. C. & H., 1953. pp.xxvii, [3],690, plates, tables, diagrs., bibliog. 84s. 'Previous ed. published as *The chemical analysis of ferrous alloys and foundry materials*, 1942.' *(B) 395*

Progress in metal physics

Progress in metal physics, 4; editor B. Chalmers. Pergamon Press, 1953. pp.viii,403, plates, tables, diagrs. 60s. *Progress series.* *(C) 396*

VAN ARSDALE, G. D., *ed.*
Hydrometallurgy of base metals. New York, London, McG.-H., 1953. pp.xi,370, illus., tables, diagrs. 81s. *(C) 397*

MANUFACTURES

METALS

BROOKER, H. R., *and* **BEATSON, E. V.**
Industrial brazing. Iliffe (for *Welding and Metal Fabrication*), 1953. pp.344, illus., tables, diagrs., bibliog. 35s. *(C) 398*

[See also *336*]

RUBBER

INSTITUTION OF THE RUBBER INDUSTRY
History of the rubber industry; compiled under the auspices of the Institution of the Rubber Industry. Editors: P. Schidrowitz and T. R. Dawson. Cambridge, published for the Institution by Heffer, [1953]. pp.xxiv,406, front., plates, tables, diagrs., bibliog. 30s. *(B) 399*

[See also 339]

TEXTILES

JENSEN, J. T., *and others*
The newer man-made fibers: a prospectus for the apparel industry submitted in partial fulfillment of the requirements for the course in manufacturing given by Professor Georges Doriot at the Harvard University Graduate School of Business Administration. March 1952. Cambridge (Mass.), Harvard University Graduate School of Business Administration; [London, Bailey & Swinfen,] [1953]. pp.vi,132, tables, diagrs., bibliog. $10 or 70s. *(B) 400*

PETTIT, F. H.
Block printing on fabrics. New York, Hastings House, 1952. pp.146, illus. $5. *(B) 401*

BUILDING

GREAT BRITAIN. Building Research Station
Survey of building in sandstone in Scotland, by H. R. Broughton, J. R. Illingworth and G. G. Rice. H.M.S.O., 1953. pp.iv,23, tables, diagrs. 1s. 6d. *National building studies special reports, no. 20.* *(B) 402*

GEOGRAPHY

LEONARD, O. E.
Bolivia; land, people and institutions. Washington, Scarecrow Press; [London, Bailey & Swinfen], 1952. pp.297, illus., maps, tables, diagrs., bibliog. $6 or 54s. *(B) 403*

WOOLDRIDGE, S. W., *and* **GOLDRING, F.**
The Weald. Collins, 1953. pp.x,276, plates (some col.), maps, diagrs., bibliog. 25s. *New naturalist series, no. 26.* *(A) 404*

BIOGRAPHIES

LARSEN, E.
An American in Europe: the life of Benjamin Thompson, Count Rumford. Rider, 1953. pp.224, front., illus., plates, ports., diagrs., bibliog. 15s. 'Special publication to coincide with the bicentenary in March 1953 of the birth of Count Rumford, founder of the Royal Institution.' *(A) 405*

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L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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VOLUME 18 NUMBER 6
JUNE 1953
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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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SCIENTIFIC RESEARCH

BRAITHWAITE, R. B.

Scientific explanation: a study of the function of theory, probability and law in science; based upon the Tarner lectures, 1946. C.U.P., 1953. pp.xii,376, plate, diagrs. 40s. *(C) 406*

BIBLIOGRAPHY

INTERNATIONAL ASSOCIATION FOR RESEARCH IN INCOME AND WEALTH

Bibliography on income and wealth, vol. II: 1948–1949; ed. by P. Deane. Cambridge, Bowes & Bowes, 1953. pp.x,11–109. 37s. 6d. *Annotated international bibliographies on income and wealth, vol. 2.* *(D) 407*

SPECIAL LIBRARIES ASSOCIATION. Science -Technology Division. Pharmaceutical Division

Union list of periodicals in pharmaceutical libraries. New York, the Association, 1952. pp.vi,189. 27s. *(D) 408*

UNBEGAUN, B. O., *and* **SIMMONS, J. S. G.**

A bibliographical guide to the Russian language. Oxford, Clarendon Press, 1953. pp.xiv,174. 25s. *(D) 409*

UNITED STATES. Library of Congress. European Affairs Division

Sociology and economics in Austria; a report on post-war developments, by F. A. Westphalen. Washington, the Library, 1953. pp.[6],50. 50¢. *(D) 410*

UNITED STATES. Library of Congress. European Affairs Division

Survey of the social sciences in Western Germany; a report on recent developments, by M. Horkheimer. Washington, the Library, 1952. pp.ix,225. $1. *(D) 411*

UNITED STATES. Library of Congress. Map Division

Catalog of national exhibits, Seventeenth International Geographical Congress, Washington, D.C.; ed. by C. W. Buffum. Washington, the Library, 1952. pp.[5],81. 65¢. *(D) 412*

LIBRARIANSHIP

DEWEY, M.

Decimal classification and relative index. Standard (15th) rev. ed. New York, Forest Press, Inc., 1952. pp.lv,872. $18.50.'Relative index may be purchased separately $2.50.' *(D) 413*

UNITED STATES. Department of Commerce. National Bureau of Standards

Protective display lighting of historical documents; a report by the National Bureau of Standards to the Library of Congress. Washington, U.S. Government Printing Office, 1953. pp.ii,8, illus., tables, diagrs. 15¢. *NBS circular 538.* *(C) 414*

DIRECTORIES AND YEARBOOKS

The education authorities directory and annual

The education authorities directory and annual, 1952-53. School Government Publishing Co., [1953]. pp.lxxx,434. 22s. 6d. *(D) 415*

The Motor year book

The Motor year book, 1953; compiled by L. Pomeroy and R. Walkerley. Temple Press, 1953. pp.vii,212, front., illus., tables, diagrs. 15s. *(D) 416*

[See also *481*]

SOCIAL SCIENCES

[See *410, 411, 437*]

STATISTICS

CONNOLLY, T. G., *and* SLUCKIN, W.

An introduction to statistics for the social sciences. Cleaver-Hume, 1953. pp.154, plate, tables, diagrs. 16s. *(B) 417*

GREAT BRITAIN. Colonial Geological Surveys. Mineral Resources Division

Statistical summary of the mineral industry; production, imports and exports, 1945–51. H.M.S.O., 1953. pp.iv,345, tables. 27s. 6d. *(D) 418*

[See also *437*]

ECONOMICS

ASHWORTH, W.

Contracts and finance. H.M.S.O.; L.G., 1953. pp.x,309, tables. 22s. 6d. *History of the Second World War. United Kingdom civil series, war production series, ed. by M. M. Postan.* *(B) 419*

GREAT BRITAIN. Ministry of Labour and National Service

Industrial relations handbook: an account of the organisation of employers and work people in Great Britain; collective bargaining and joint negotiating machinery; conciliation and arbitration; and statutory regulations of wages in certain industries. Rev. ed. H.M.S.O., 1953. pp.v,284, diagrs. 4s. 6d. 'Previous ed. 1944.' *(B) 420*

ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS

World production of raw materials. 2nd ed. London, New York, the Institute, 1953. pp.viii,104, tables. 7s. 6d. *Information papers, no. 18.* 'Previous ed. 1941.' *(C) 421*

[See also *407, 410, 483*]

EDUCATION

BUCHER, L. de C.-

The teaching of art. Blackie, 1953. pp.ix,198, col. front., illus., col. plates, diagrs., bibliog. 25s. *Technique of teaching, no. 6.* *(B) 422*

EDUCATIONAL FOUNDATION FOR VISUAL AIDS

Visual aids, films and filmstrips, part III: Science for secondary schools. Rev. and enlarged. The Foundation, 1953. pp.vii,152. 3s. 6d. *(D) 423*

McLEISH, M., *and* MOODY, E.

Beginnings; teaching art to children. Entirely new 2nd ed. Studio Publications, 1953. pp.96, illus. (some col.), plates, bibliog. 15s. *How to do it series, no. 28.* 'Previous ed. by M. McLeish, 1941.' *(B) 424*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

Basic facts and figures: illiteracy, education, libraries, museums, books, newspapers, newsprint, film and radio. Paris, Unesco, 1953. pp.58, tables, diagrs. 50¢; 3s.; 150 fr. 'Supplement: Statistics on libraries and museums, pp.11.' *(B) 425*

[See also *415*]

PHILOLOGY

CAREY, G. V.

American into English; a handbook for translators. Melbourne, London [etc.], Heinemann, 1953. pp.x,94. 6s. *(D) 426*

[See also *409*]

DICTIONARIES

[See *451*]

MATHEMATICS

AHLFORS, L. V.

Complex analysis: an introduction to the theory of analytic functions of one complex variable. New York, London, McG.-H., 1953. pp.xi,247. $5 or 42s. 6d. *International series in pure and applied mathematics.* *(B) 427*

COULSON, C. A.

The spirit of applied mathematics; an inaugural lecture delivered before the University of Oxford on 28th October, 1952. O.U.P., 1953. pp.23. 2s. 6d. *(A) 428*

THOMPSON, J. E.

The standard manual of the slide rule; its history, principle and operation. 2nd ed. Macmillan, [1953]. pp.vii,216, illus. 15s. 'Previous ed. published Chapman & Hall, 1930.' *(B) 429*

ASTRONOMY

WRIGHT, H.

The great Palomar telescope. Faber, 1953. pp.176, front., plates, diagrs. 12s. 6d. 'Maps on endpapers.' *(A) 430*

PHYSICS

BARTER, E. G.

Relativity and reality: a re-interpretation of anomalies appearing in the theories of relativity. Watts, 1953. pp.xi,131, diagrs., bibliog. 15s. *(A) 431*

BATCHELOR, G. K.

The theory of homogeneous turbulence. C.U.P., 1953. pp.xi,197, diagrs., bibliog. 25s. *Cambridge monographs on mechanics and applied mathematics, ed. by G. K. Batchelor and H. Bondi.* *(B) 432*

DE BARR, A. E.

The magnetic circuit; powder cores, ferrites, permanent magnet materials and miscellaneous magnetic materials. Institute of Physics, 1953. pp.62, tables, diagrs., bibliog. 5s. *Monographs for students, ed. by H. R. Lang.* *(B) 433*

DE BARR, A. E.

Soft magnetic materials used in industry. Institute of Physics, 1953. pp.62, diagrs., bibliog. 5s. *Monographs for students, ed. by H. R. Lang.* *(B) 434*

GILLESPIE, A. B.

Signal, noise and resolution in nuclear counter amplifiers. Pergamon Press, 1953. pp.xii,155, tables, diagrs., bibliog. 21s. *Electronics and waves, a series of monographs, ed. by D. W. Fry.* *(C) 435*

GREEN, H. S.

Molecular theory of fluids. Amsterdam, North Holland Publishing Co.; New York, Interscience, 1952. pp.288, illus. 20 fl. or $5.75. *Monographs on the rheological behaviour of natural and synthetic products.* *(C) 436*

HERDAN, G.

Small particle statistics: an account of statistical methods for the investigation of finely divided materials; with a guide to the experimental design of particle size determinations, by M. L. Smith. New York, Elsevier, 1953. pp.528, diagrs. $12. *(C) 437*

MASSEY, H. S. W.

Atoms and energy. Elek, 1953. pp.174, illus., tables, diagrs. 16s. *Science in action, ed. by S. Lilley, no. 1.* (*A*) *438*

CHEMISTRY

D'ALELIO, G. F.

Fundamental principles of polymerization; rubbers, plastics and fibers. New York, Wiley; London, C. & H., 1952. pp.x,517, tables, diagrs. $10 or 80s. (*C*) *439*

HILLEBRAND, W. F., *and* **LUNDELL, G. E. F.**

Applied inorganic analysis, with special reference to the analysis of metals, minerals and rocks. 2nd ed. rev. by G. E. F. Lundell, H. A. Bright and J. I. Hoffman. New York, Wiley; London, C. & H., [1953]. pp.xxii,1034, tables, diagrs. $15 or 120s. (*C*) *440*

HURD, D. T.

An introduction to the chemistry of the hydrides. New York, Wiley; London, C. & H., 1952. pp.x,231, front., tables, diagrs. $5.50 or 44s. (*B*) *441*

TINTOMETER, LTD.

A handbook of colorimetric chemical analytical methods for industrial, research and clinical laboratories, developed for use with the Lovibond comparator. Salisbury, Tintometer, Ltd., [1953]. pp.119, col. front., tables, diagrs. 15s. (*C*) *442*

MINERALOGY

[See *440*]

BIOLOGY

Annual review of physiology

Annual review of physiology [1952]; ed. by V. E. Hall. Vol. 14. Stanford (Calif.), Annual reviews, 1952. pp.589, bibliog. $6. (*C*) *443*

CONFERENCE ON BIOLOGICAL HAZARDS OF ATOMIC ENERGY, London, 1950

Papers read at the Conference convened by the Institute of Biology and the Atom Scientists' Association, October 1950; ed. by A. Haddon. Oxford, Clarendon Press, 1952. pp.xi,235, plates, tables diagrs. 35s. (*C*) *444*

BOTANY

WARDLAW, C. W.

Phylogeny and morphogenesis: contemporary aspects of botanical science. Macmillan, 1952. pp.viii,536, illus., diagrs., bibliog. 42s. (*C*) *445*

ZOOLOGY

CHISLETT, R.

Yorkshire birds. Brown, 1952. pp.[8],335, front., plates, maps, tables, bibliog. 25s. (*A*) *446*

GRÜNEBERG, H.

The genetics of the mouse. 2nd ed. rev. The Hague, Nijhoff, 1952. pp.xiv,650, illus., plates. 45 guilders. 'Previous ed. 1943.' (*C*) *447*

PHARMACY

Pharmaceutical formulas

Pharmaceutical formulas, being *The Chemist & Druggist* book of formulas, selected from various pharmacopoeias, together with non-official formulas from many sources, including descriptions of practical methods employed in the manufacture of pharmaceutical preparations, with other information of use to pharmacists and manufacturers. Vol. 1. 12th ed. rev. and extended. *Chemist & Druggist*, 1953. pp.xv,1139, tables. 37s. 6d. 'Previous ed. 1944' (*B*) *448*

VETERINARY SCIENCE

HOBDAY, *Sir* F. T. G.

Surgical diseases of the dog and cat. 6th ed. by J. McCunn. Baillière, Tindall & Cox, 1953. pp.vii,453, front. (port.), illus., diagrs. 30s. 'Previous ed. 1947.' (*B*) *449*

KIRK, H.

Index of diagnosis (clinical and radiological) for the canine and feline surgeon. 4th ed. Baillière, Tindall & Cox, 1953. pp.vii,667, illus., tables, diagrs. 40s. 'Previous ed. 1947.' (*B*) *450*

MILLER, W. C., *and* WEST, G. P.

Black's veterinary dictionary. 3rd ed. Black, 1953. pp.viii,1122, illus., plates, tables, diagrs. 50s. 'Previous ed. 1935.' (*D*) *451*

ENGINEERING

STEAM

GAFFERT, G. A.

Steam power stations. 4th ed. New York, London, McG.-H., 1952. pp.x,637, illus., tables, diagrs. $8 or 68s. 'Previous ed. 1946.' (*C*) *452*

ELECTRICAL

BARNES, C. C.

Power cables; their design and installation. C. & H., 1953. pp.xvi,272, front., illus., plates, tables, diagrs., bibliog. 35s. *Monographs on electrical engineering, ed. by H. P. Young, vol. 14.* (*B*) *453*

BRUINSMA, A. H.

Remote control by radio; an amplitude-modulation and an impulse-modulation system. Cleaver-Hume Press, 1952 [1953]. pp.94, illus., plates, tables, diagrs. 8s. 6d. *Philips' technical library, popular series.* (*C*) *454*

VICKERS, H.

The induction motor: the theory, design and application of alternating-current machines including fractional H.P. motors. 2nd ed. Pitman, 1953. pp.xii,531, plates, tables, diagrs. 70s. 'Previous ed. 1924.' (*B*) *455*

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REFRIGERATION

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MINING

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CIVIL

FABER, O.

Simple examples of reinforced concrete design. 4th ed. O.U.P., 1952. pp.x,90, tables, diagrs. 9s. 6d. 'Previous ed. 1944.' (*B*) *456*

LEEMING, E. L.

Road engineering. 3rd ed. Constable, 1952. pp.x,308, illus., plates, tables, diagrs., bibliog. 30s. 'Previous ed. 1933.' (*C*) *457*

STRAUB, H.

A history of civil engineering: an outline from ancient to modern times; translated [from the German] by E. Rockwell. Leonard Hill, 1953. pp.xviii, 258, illus., plates, diagrs., bibliog. 25s. 'Originally published as *Die Geschichte der Bauingenieurkunst.* Basle, Verlag Birkhausen, 1949.' (*A*) *458*

HYDRAULICS

DAVIS, C. V., *ed.*

Handbook of applied hydraulics. 2nd ed. New York, London, McG.-H., 1952. pp.xx,1272, tables, diagrs. $15 or 107s. 6d. *McGraw-Hill handbooks.* 'Previous ed. 1942.' *(C) 459*

AUTOMOBILE

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AERONAUTICAL

KUCHEMANN, D., *and* **WEBER, J.**

Aerodynamics of propulsion. New York, London, McG.-H., 1953. pp.340, diagrs. $9 or 64s. 6d. *McGraw-Hill publications in aeronautical science.* *(B) 460*

AGRICULTURE

PESTS

DE ONG, E. R.

Insect, fungus and weed control. New York, Chemical Publishing Co., 1953. pp.400, illus., $10. *(B) 461*

FRUIT GROWING

BROOKS, R. M., *and* **OLMO, H. P.**

Register of new fruit and nut varieties, 1920-1950. Berkeley, University of California Press; London, C.U.P., 1952. pp.[10],206, tables. $3 or 22s 6d. *(D) 462*

GARDNER, V. R., *and others*

The fundamentals of fruit production, by V. R Gardner, F. C. Bradford, and H. D. Hooker, jr. 3rd ed. New York, London [etc.], McG.-H., 1952. 76s. 6d. *McGraw-Hill publications in the agricultural sciences, ed. by R. A. Brink.* *(B) 463*

HYAMS, E.

Strawberry cultivation; a system of procuring fruit throughout the year. Faber, 1953. pp.162, col. front., plates, diagrs. 18s. *(A) 464*

HORTICULTURE

SHOEMAKER, J. S.

Vegetable growing. 2nd ed. New York, Wiley; London, C. & H., 1953. pp.vii,515, illus., tables, bibliog. $6 or 48s. 'Previous ed. 1947.' *(A) 465*

LIVESTOCK

KNOWLES, F. G. W.

Freshwater and salt-water aquaria. Harrap, 1953. pp.174, front., illus., plates, tables, diagrs., bibliog. 12s. 6d. *(A) 466*

DAIRYING

FARRALL, A. W.

Dairy engineering. 2nd ed. New York, Wiley; London, C. & H., 1953. pp.xvii,477, illus., tables, diagrs. $6 or 48s. 'Previous ed. 1942.' *(B) 467*

PRINTING AND PUBLISHING

AVIS, F. C.

Printers' impositions. 26 Gordonbrock Road, London, S.E.4, the author, 1953. pp.144, diagrs., 9s. *(B) 468*

BRITISH PRODUCTIVITY COUNCIL

A review of productivity in the printing industry. The Council, [1953]. pp.33, table. 1s. *(B) 469*

[See also *425*]

TRANSPORT

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INDUSTRIAL ORGANIZATION

McFARLAND, R. A.

Human factors in air transportation; occupational health and safety. New York, McG.-H., 1953. pp.830, diagrs. $13. *(C) 470*

OFFICE MANAGEMENT ASSOCIATION LTD.

Office administrative practices: a summary of answers given by 323 firms in all areas of Great Britain to questions affecting over 100,000 office workers. The Association, [1953]. pp.40, tables. 12s. 6d. *(B) 471*

CHEMICAL TECHNOLOGY

Food Technology

INTERNATIONAL CONGRESS OF REFRIGERATION, 8th, London, 1951

Proceedings, London, August 29th to September 11th, 1951. Dalmeny House, Monument Street, London, E.C.3. Eighth International Congress of Refrigeration, [1952]. pp.768, front. (port.), illus., tables, diagrs., bibliog. 60s. 'Contributions in French and English.' *(C) 472*

Dyeing and Bleaching

VENKATARAMAN, K.

Chemistry of synthetic dyes. Vol. II. New York, Academic Press, 1952. pp.xvi,737, illus. $15. *Organic and biological chemistry, a series of monographs.* *(C) 473*

Paint

CHATFIELD, H. W.

Varnish constituents. 3rd ed. Leonard Hill, 1953. pp.xxv,868, plates, tables, diagrs., bibliog. 65s. 'Previous ed. 1947.' *(C) 474*

Metallurgy

HOYT, S. L.

Metal data. Rev. ed. New York, Reinhold; [London, C. & H.], 1952 [1953]. pp.xiv,526, illus., tables, diagrs. $10 or 80s. 'Previous ed. published as *Metals and alloys data book*, 1943.' *(D) 475*

LONDON. UNIVERSITY. Imperial College of Science and Technology. Royal School of Mines. Nuffield Research Group in Extraction Metallurgy

The physical chemistry of melts: a symposium on the nature of molten slags and salts, held by the Nuffield Research Group in Extraction Metallurgy, London, 20th February, 1952. Institution of Mining and Metallurgy, 1953. pp.106, tables, diagrs. 16s. *(C) 476*

RUDDLE, R. W.

The physical chemistry of copper smelting. Institution of Mining and Metallurgy, 1953. pp.156, plates, tables, diagrs. 20s. *(C) 477*

MANUFACTURES

Metal

RAISTRICK, A.

Dynasty of ironfounders: the Darbys and Coalbrookdale. L.G., 1953. pp.xvi, 308, col. front., illus., plates, maps, tables, diagrs. 30s. *(A) 478*

WOOD

COVENTON, W.

Woodwork tools and their use. Hutchinson, 1953. pp.xii,13–304, illus., diagrs. 42s. *(B) 479*

TEXTILES

British wool manual

The British wool manual. Manchester, London, Harlequin Press, in association with *Textile Recorder*, [1953]. pp.xiv,15–543, illus., plates, tables, diagrs., bibliog. 50s. *(B) 480*

Hard's year book for the clothing industry

Hard's year book for the clothing industry, 1953; collated, prepared, revised and produced by the co-operating editorial staffs of *The Maker Up*, *The Manufacturing Clothier* and *Apparel Production*. United Trade Press, [1953]. pp.395, illus., tables, diagrs., bibliog. 30s. *(D) 481*

WEIBEL, A. C.

Two thousand years of textiles; the figured textiles of Europe and the Near East. New York Pantheon Books, 1952. pp.xii,169, illus. $20. *Detroit Institute of Arts publication.* *(B) 482*

BUILDING

BRANDWOOD, F.

Builders' cost control, bonusing and accounts. Gee, 1952. pp.147, plates, tables, diagrs. 25s. *(B) 483*

GREAT BRITAIN. Ministry of Housing and Local Government. Committee on House Interiors

Quicker completion of house interiors: report of the Committee on House Interiors presented to the Minister of Housing and Local Government and the Secretary of State for Scotland. H.M.S.O., 1953. pp.63, front., illus., plans, tables. 3s. 6d. *(B) 484*

ARCHITECTURE

BRAUN, H.

Historical architecture: the development of structure and design. Faber, 1953. pp.309, front., illus., plates. 63s. *(B) 485*

GOODHART-RENDEL, H. S.

English architecture since the Regency; an interpretation. Constable, 1953. pp.296, front., illus. 25s. *(B) 486*

PHOTOGRAPHY

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GEOGRAPHY

SIMPSON, F. A., *ed.*

The Antarctic to-day. Wellington (New Zealand), Reed, 1952. pp.389, plates. 47s. 6d. *(B) 487*

SMITH, W.

An economic geography of Great Britain. 2nd ed. Methuen, 1953. pp.xv,756, plate, maps, tables, diagrs. 42s. 'Previous ed. 1949.' *(B) 488*

BIOGRAPHIES

DE BEER, G. R.

Sir Hans Sloane and the British Museum. Published for the trustees of the British Museum by O.U.P., 1953. pp.192, front., plates, facsim., bibliog. 18s. *(A) 489*

PUBLISHERS

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H.M.S.O. : Her Majesty's Stationery Office

L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

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(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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DOCUMENTATION

COLLISON, R. L.

Indexes and indexing; a guide to the indexing of books, and collections of books, periodicals, music, gramophone records, films and other material, with a reference section and suggestions for further reading. Ernest Benn, 1953. pp.155, diagrs. 10s. 6d. *(B) 490*

PARKINSON, A. C.

Pictorial drawing for engineers: including all types of commonly used pictorial systems of projection, with special emphasis on isometric and perspective methods, their geometrical bases and time-saving adaptations. Pitman, 1953. pp.viii,107, diagrs. 16s. *(B) 491*

[See also *563*]

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GILL, E. R.

Bibliography of Eric Gill. Cassell, 1953. pp.xv,224, front., illus., facsims. 63s. *(D 492)*

LONDON LIBRARY

Catalogue of the London Library. Third supplement, 1928–1950, by C. J. Purnell. The Library, 1953. pp.[1450]. 252s. *(D) 493*

OXFORD. University. Bodleian Library

Current foreign and Commonwealth periodicals in the Bodleian Library and in other Oxford libraries. Oxford, [Bodleian Library], 1953. pp.[6],267. 20s. 'Interleaved copies 25s.' *(B) 494*

LIBRARIANSHIP

CONFERENCE OF LIBRARY AUTHORITIES IN WALES AND MONMOUTHSHIRE, 19th, Aberystwyth, 1952

Llyfrgelloedd yng Nghymru: report of the proceedings. Swansea, [Central Public Library], 1953. pp.44. 7s. *(B) 495*

FRY, B. M.

Library organization and management of technical reports literature. Washington, Catholic University of America Press, 1953. pp.x,140, plans, tables, diagrs. $2.25. *Catholic University of America studies in library science no. 1.* *(B) 496*

PSYCHOLOGY

BERNHARDT, K. S.

Practical psychology. 2nd ed. New York, London [etc.], McG.-H., 1953. pp.xii,337, illus., tables, diagrs., bibliog. $3.75 or 28s. 'Previous ed. 1945.' *(A) 497*

GOMULICKI, B. R.

The development and present status of the trace theory of memory. C.U.P., 1953. pp.viii,94, bibliog. 12s. 6d. *British Journal of Psychology, monograph supplements, XXIX.* *(C) 498*

GREENACRE, P.

Trauma, growth and personality. Hogarth Press; Institute of Psycho-Analysis, 1953. pp.xi,308, bibliog. 30s. *International psycho-analytical library, ed. by E. Jones, no. 46.* *(C) 499*

VERNON, P. E.

Personality tests and assessments. Methuen, 1953. pp.xi,220, illus., diagrs., bibliog. 18s. *Methuen's manuals of modern psychology, ed. by C. A. Mace.* *(B) 500*

SOCIAL SCIENCES

STATISTICS

COMMONWEALTH ECONOMIC COMMITTEE. Intelligence Branch

Industrial fibres, [1953]: a summary of figures of production, trade and consumption relating to cotton, wool, silk, flax, jute, hemp, mohair, coir, rayon and other man-made fibres. H.M.S.O., 1953. pp.iv,152. 5s. *Commodity series.* *(B) 501*

[See also *522*]

ECONOMICS

CLEGG, H. A., *and* CHESTER, T. E.

The future of nationalization. Oxford, Blackwell, 1953. pp.ix,211. 12s. 6d. *(B) 502*

HUTTON, G.

We too can prosper; the promise of productivity. Published for the British Productivity Council by A. & U., 1953. pp.248, tables. 12s. *(A) 503*

PUBLIC ADMINISTRATION

GREAT BRITAIN. Patent Office

Patent Office centenary: a story of 100 years in the life and work of the Patent Office, by H. Harding. H.M.S.O., 1953. pp.48, illus., plates (incl. ports.), diagr. 2s. *(B) 504*

EDUCATION

CONANT, J. B.

Education and liberty: the role of the schools in a modern democracy. Cambridge (Mass.), Harvard University Press; London, O.U.P., 1953. pp.xv,168, tables. $3 or 20s. *(A) 505*

DUNCAN, J.

Backwardness in reading; remedies and prevention. Harrap, 1953. pp.96, tables, bibliog. 6s. *(B) 506*

Girls' school year book

Girls' school year book: public schools, 1953; the official book of reference of the Association of Head Mistresses. Black, [1953]. pp.lix,625, illus. 15s. *(D) 507*

HILDRETH, G. H.

Educating gifted children at Hunter College Elementary School, by G. H. Hildreth in collaboration with F. N. Brumbaugh and F. T. Wilson. New York, Harper, 1952; [London, Hamish Hamilton, 1953.] pp.xi,272, tables. $3.50 or 28s. *(B) 508*

NATIONAL SOCIETY FOR THE STUDY OF EDUCATION. Chicago

Fifty-second yearbook; ed. by N. B. Henry. Chicago, the Society, distributed by the University of Chicago Press; [London, C.U.P.], 1953. 2v. $3.50 or 52s. 'Part 1. Adapting the secondary-school program to the needs of youth; prepared by the Yearbook Committee. pp.xiii,316,vi. 26s. Part 2. The community school; prepared by the Yearbook Committee. pp.xii,292,lxxii. 26s.' *(B) 509*

The yearbook of the universities of the Commonwealth, 1953

The yearbook of the universities of the Commonwealth, 1953. Published for the Association of Universities of the British Commonwealth by Bell, [1953]. pp.liv,1805, tables. 63s. *(D) 510*

[See also *570*]

DICTIONARIES

HENDERSON, I. F., *and* HENDERSON, W. D.

A dictionary of scientific terms: pronunciation, derivation and definition of terms in biology, botany, zoology, anatomy, cytology, genetics, embryology, physiology. 5th ed. by John H. Kenneth. Edinburgh, London, O. & B., 1953. pp.xvi,506. 32s. 'Previous ed. 1949.' *(B) 511*

MATHEMATICS

BURNS, P. F.

Daily life mathematics. Book 3. Ginn, 1953. pp.x,212, front., illus., tables diagrs. 7s. 6d. *(A) 512*

SPAIN, B.

Tensor calculus. Edinburgh, London, O. & B.; New York, Interscience, 1953. pp.viii,125, diagrs., bibliog. 8s. 6d. *University mathematical texts, ed. by A. C. Aitken and D. E. Rutherford.* *(B) 513*

ASTRONOMY

MENZEL, D. H.

Flying saucers. Putnam, 1953. pp.xii,319, front., illus., diagrs., bibliog. 21s. *(A) 514*

PHYSICS

BARNARD, G. P.

Modern mass spectrometry. Institute of Physics, 1953. pp.326, front., illus., tables, diagrs., bibliog. 50s. *Physics in industry.* *(C) 515*

BIRD, G. W.

Mechanics for engineering students: specially adapted to the needs of third-year students intending to take the examination for the National Certificate in Mechanical Engineering; rev. by F. J. Batson. 4th ed. Pitman, 1953. pp.vii,152, front., tables, diagrs. 10s. 6d. 'Previous ed. 1938.' *(B) 516*

HALL, J. A.

Fundamentals of Thermometry. Institute of Physics, 1953. pp.48, diagrs., bibliog. 5s. *Monographs for students, ed. by H. R. Lang.* *(B) 517*

HALL, J. A.

Practical thermometry. Institute of Physics, 1953. pp.51, diagrs., bibliog. 5s. *Monographs for students, ed. by H. R. Lang.* *(B) 518*

CHEMISTRY

RADLEY, J. A.

Starch and its derivatives. Vol. 1. 3rd ed. rev. C. & H., 1953. pp.xi,510, plates, tables, diagrs., bibliog. 65s. *Monographs on applied chemistry, ed. by E. Howard Tripp, vol. 11.* 'Previous ed. 1943.' *(B) 519*

GEOLOGY

ARKELL, W. J., *and* TOMKEIEFF, S. I.

English rock terms, chiefly as used by miners and quarrymen. O.U.P., 1953. pp.xx,139, front. (facsim.), bibliog. 21s. *(D) 520*

LAHEE, F. H.

Field geology. 5th ed. New York, London, [etc.], McG.-H., 1952. pp.xxx,883, illus. $8.50 or 72s. 6d. *(B) 521*

METEOROLOGY

GREAT BRITAIN. Meteorological Office

Handbook of statistical methods in meteorology, by C. E. P. Brooks and N. Carruthers. H.M.S.O., 1953. pp.viii,412, tables, diagrs. 25s. *(B) 522*

PALAEONTOLOGY

BRITISH MUSEUM (NATURAL HISTORY), London. Department of Geology

Catalogue of fossil Cirripedia in the Department of Geology, by T. H. Withers. Vol. 3: Tertiary. The Museum, 1953. pp.xv,524, illus., plates, tables, bibliog. 90s. *(C) 523*

BIOLOGY

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BOTANY

ESAU, K.

Plant anatomy. New York, Wiley; London, C. & H., [1953]. pp.xii,612, tables, diagrs., bibliog. $9 or 72s. *(B) 524*

GOOD, R.

The geography of the flowering plants. 2nd ed. L.G., 1953. pp.xiv,452, front., illus., plates (some col.), maps, tables, bibliog. 50s. 'Previous ed. 1947.' *(B) 525*

MAXWELL, A. C.

Lilies in their homes. Collins, 1953. pp.256, front., illus., plates, tables, bibliog. 16s. *(A) 526*

ZOOLOGY

BRITISH MUSEUM (NATURAL HISTORY), London

Amphibians and fishes. 6th ed. The Museum, 1953. pp.iv,5–28. 9d. *Instructions for collectors, no. 3.* *(A) 527*

BRITISH MUSEUM (NATURAL HISTORY), London. Department of Zoology

Guide for the identification and reporting of stranded whales, dolphins, porpoises and turtles on the British coasts, by F. C. Fraser and H. W. Parker. 2nd ed. The Museum, 1953. pp.viii,42. 2s. 'Previous ed. 1949.' *(A) 528*

EKMAN, S.

Zoogeography of the sea; translated from the Swedish by E. Palmer. Sidgwick & Jackson, 1953. pp.xiv,417, illus., maps, tables, diagrs., bibliog. 42s. *Textbooks of animal biology, ed. by J. S. Huxley.* *(B) 529*

Essays in marine biology

Essays in marine biology: being the Richard Elmhirst memorial lectures. Edinburgh, London, O. & B., 1953. pp.[8],144, front. (port.), tables, diagrs., bibliog. 12s. 6d. *(B) 530*

HILL, W. C. O.
Primates; comparative anatomy and taxonomy. 1: Strepsirhini: a monograph. Edinburgh, London, O. & B., 1953. pp.xxiii,798, illus., plates, tables, bibliog. 105s. *Edinburgh. University. Publications, science and mathematics series, no. 3.* *(C) 531*

ROEDER, K. D., *ed.*
Insect physiology. New York, Wiley; London, C. & H., [1953]. pp.xiv,1100, illus., tables, diagrs., bibliog. $15 or 120s. *(C) 532*

PUBLIC HEALTH*

CHEMIST & DRUGGIST
Poisons guide: an encyclopaedia of poisons law; compiled and co-ordinated by W. A. Whatmough. Vol. 2: Poisons provisions and explanations. *Chemist and Druggist,* 1953. pp.ix,235, illus., tables, diagrs. 40s. *(D) 533*

PHARMACY

British pharmacopoeia, 1953
British pharmacopoeia, 1953; published under the direction of the General Medical Council pursuant to the General Medical Council Act, 1862, and the Medical Act, 1950. Published for the General Medical Council by Pharmaceutical Press, [1953]. pp.xxiv,894, tables. 50s. *(D) 534*

VETERINARY SCIENCE

SISSON, S.
The anatomy of the domestic animals. 4th ed. rev. by J. D. Grossman. Philadelphia, London, Saunders, 1953. pp.972, illus. (some col.), tables. $15 or 75s. 'Previous ed. 1938.' *(B) 535*

ENGINEERING

Testing Materials

CAZAUD, R.
Fatigue of metals; translated [from the French] by A. J. Fenner. C. & H., 1953. pp.xiv,334, illus., plates, tables, diagrs. 60s. 'Originally published as *La fatigue des métaux.* 3rd ed. Paris, Dunod, 1948.' *(C) 536*

HILTON, B. R.
Technology of engineering materials. Butterworth, 1953. pp.vii,389, illus., tables, diagrs. 36s. *(B) 537*

Mechanical

GREAT BRITAIN. Ministry of Supply
Lubricants and lubrication. Published for the Technical Information & Documents Unit of the Department of Scientific & Industrial Research by H.M.S.O., 1952 [1953]. pp.[4],234, plates. 35s. *Selected government research reports, vol. II.* *(C) 538*

HARRINGTON, C. C., *ed.*
Materials handling manual. New York, Conover-Mast, 1952. pp.xi,434, illus. $6. *(C) 539*

INDUSTRIAL DIAMOND INFORMATION BUREAU *and* **INDUSTRIAL DIAMOND REVIEW**
Industrial diamond trade names index for users of diamond tools, hard abrasives, sintered carbides, and materials for the precision engineer. 4th ed. N.A.G. Press, 1953. pp.84. 3s. 6d. *(D) 540*

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ELECTRICAL

BRITISH PRODUCTIVITY COUNCIL

The British electricity system: report of a productivity team from the United States of America who visited the United Kingdom in 1952. The Council, 1953. pp.xii,58, illus., maps, tables, diagrs. 3s. *Productivity team reports.* (*B*) *541*

KARO, D.

Electrical measurements, and the calculation of the errors involved. Part 2. Macdonald, 1953. pp.xiv,15–343, tables, diagrs. 30s. (*C*) *542*

LANGLOIS-BERTHELOT, R.

Electro-magnetic machines; translated [from the French] and rev. in collaboration with H. M. Clarke. Macdonald, 1953 pp.xvi,17–535, tables, diagrs. 65s. 'Originally published as *Étude industrielle générale des machines électromagnétiques*, Paris, Eyrolles, 1949.' (*B*) *543*

SANDEMAN, E. K.

Radio engineering. Vol. 2. 2nd ed. rev. C. & H., 1953. pp.xxi,613, diagrs., bibliog. 55s. 'Previous ed. 1949.' (*B*) *544*

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REFRIGERATION

Handbook of British refrigeration material and home and overseas buyers' guide, 1953

Handbook of British refrigeration material and home and overseas buyers' guide, 1953. *Modern Refrigeration*, [1953]. pp.254, illus., tables. 20s. (*D*) *545*

NELSON, C. W.

Commercial and industrial refrigeration. New York, London, McG.-H., [1953]. pp.xii,467, illus., tables, diagrs., bibliog. $7 or 50s. (*C*) *546*

NAVAL

LA DAGE, J. H.

Modern ships—elements of their design, construction and operation. Cambridge (Mass.), Cornell Maritime Press, 1953. pp.377. $6.50. (*B*) *547*

PHILLIPS-BURT, D.

Modern yacht and boat design. Southampton, Adlard Coles; London, Harrap, [1953]. pp.180, front., plates, tables, diagrs. 30s. (*B*) *548*

Ship and Boat Builder Annual Review, 1953

Ship and boat builder annual review, 1953; comp. by editorial staff of *Ship and Boat Builder*. John Trundell, 1953. pp.388, illus. (incl. port.), tables. 30s. (*D*) *549*

SANITARY

DUMBLETON, J. E.

Wells and bore-holes for water supply; with notes on water analysis and purification. 2nd ed. rev. Kingston Hill (Surrey), Technical Press, 1953. pp.[8],142, front., illus., plates, tables, diagrs. 17s 6d. 'Previous ed. published as *The construction of wells and bore-holes for water supply*. Crosby Lockwood, 1925.' (*B*) *550*

METROPOLITAN WATER BOARD

London's water supply, 1903–1953: a review of the work of the Metropolitan Water Board. Staples Press, 1953. pp.xv,368, col. front., plates (incl. ports. and maps), tables. 15s. (*A*) *551*

AUTOMOBILE

McHATTIE, J. N.

Servicing guide to British motor vehicles. Vol. 2: Cars, commercial vehicles and tractors. Published for *Motor Trader* and *British Automobiles Overseas* by Trader Publishing Co., 1953. pp.xx,198, tables, diagrs. 42s. (*A*) *552*

AGRICULTURE

CHAPMAN, D. H., *comp.*

A farm dictionary. Published in association with the National Federation of Young Farmers' Clubs by Evans Brothers, 1953. pp.209, illus. 8s. 6d. *(D) 553*

IRVINE, F. R.

A textbook of West African agriculture; soils and crops. 2nd ed. O.U.P., 1953. pp.xii,367, illus., plates, bibliog. 14s. 'Previous ed. 1934.' *(B) 554*

PESTS

ROBERTS, F. H. S.

Insects affecting livestock; with special reference to important species occurring in Australia. Sydney, Angus & Robertson, 1953. pp.268, illus., maps. 45s. *Australian agriculture and livestock series.* *(B) 555*

CROPS

FRANKLIN, T. B.

British grasslands, from the earliest times to the present day. Faber, 1953. pp.173, plates, tables, bibliog. 21s. *(B) 556*

FRUIT GROWING

PEARCE, S. C.

Field experimentation with fruit trees and other perennial plants. Farnham Royal (Bucks), Commonwealth Agricultural Bureaux, 1953. pp.x,131, tables, diagrs., bibliog. 10s. *Commonwealth Bureau of Horticulture and Plantation Crops. Technical communications, no. 23.* *(B) 557*

HORTICULTURE

BECK, C.

Fritillaries: a gardener's introduction to the genus Fritillaria. Faber, 1953. pp.96, col. front., illus., plates (some col.), tables, bibliog. 30s. *(B) 558*

DAIRYING

RICHMOND, H. D.

Dairy chemistry. 5th ed. rev. by J. G. Davis and F. J. Macdonald, based on the previous revision by G. D. Elsdon and H. G. Walker. Griffin, 1953. pp.viii,608, illus., tables, diagrs., bibliog. 60s. 'Previous ed. 1942.' *(C) 559*

TRANSPORT

AHRONS, E. L.

Locomotive and train working in the latter part of the nineteenth century. Vol. 4: Great Western Railway, Cambrian Railways, Brecon and Merthyr Railway, Taff Vale Railway, Rhymney Railway, Barry Railway, Midland and South Western Junction Railway; ed. by L. L. Asher. Cambridge, Heffer, 1953. pp.x,127, plates, tables. 15s. 'Reprinted from *The Railway Magazine.*' *(A) 560*

INDUSTRIAL ORGANIZATION

BRIGGS, G. W.

Studies in management techniques. Gee, 1953. pp.203, tables. 21s. *(C) 561*

ELECTRICAL REVIEW

Electricity tariff handbook; comp. for *Electrical Review* with the advice and assistance of V. A. H. Clements. Electrical Review Publications, 1953. pp.63. 7s. 6d. *(D) 562*

HOLMSTROM J. E.

Facts, files and action in business and public affairs. Part 2: Filing, indexing and circulation. C. & H., 1953. pp.xvi,280, illus., tables, diagrs. 32s. *(B) 563*

SOLOMONS, E., *ed.*
Studies in costing; edited on behalf of the Association of University Teachers of Accounting. Sweet & Maxwell, 1953. pp.xii,643, illus., tables. 35s. (*C*) *564*

CHEMICAL TECHNOLOGY

FUEL

COAL UTILISATION COUNCIL
A survey into the domestic use of solid fuel and solid fuel appliances in Great Britain: a report. The Council, 1953. pp.63, tables, diagrs. 6s. (*B*) *565*

MANUFACTURES

TEXTILES

KASWELL, E. R.
Textile fibers, yarns and fabrics: a comparative survey of their behaviour with special reference to wool. New York, Reinhold; [London, C. & H.], 1953. pp.xvi,552, illus., plate, tables, diagrs., bibliog. $10 or 88s. (*C*) *566*

AMERICAN VISCOSE CORPORATION. Textile Research Department
Rayon technology (including acetate); handbook for textile mills. 2nd ed. New York, McG.-H., 1953. pp.344, illus. $7 *Textile technology series.* (*B*) *567*

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PLASTICS

British plastics year book, 1953
British Plastics year book, 1953: a classified guide to the plastics industry. Iliffe [1953]. pp.559, tables. 30s. (*D*) *568*

WATCHMAKING

GAZELEY, W. J.
Watch and clock making and repairing: dealing with the construction and repair of watches, clocks and chronometers. Heywood, 1953. pp.vii,425, illus., diagrs. 42s. (*B*) *569*

BUILDING

EDUCATION
School construction, 1952; a reprint of the articles which appeared in 1952 in the school construction section of *Education* (official organ of the Association of Education Committees). Council & Education Press, [1953]. pp.[3],92, illus., plates. 10s. 6d. (*B*) *570*

McKAY, W. B.
Building construction. Vol. 1. 3rd ed. L.G., 1953. pp.viii,168, illus., tables, diagrs. 12s. 6d. 'Previous ed. 1943.' (*B*) *571*

WARLAND, E. G.
Modern practical masonry. 2nd ed. Pitman, 1953. pp.xviii,270, front., plates, plans, tables, diagrs., bibliog. 50s. 'Previous ed. 1929.' (*B*) *572*

ARCHITECTURE

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GEOGRAPHY

SIERRA LEONE. Survey and Lands Department
Atlas of Sierra Leone. Freetown, Sierra Leone Lands & Survey Department; London, Stanford, 1953. pp.[3],iii, plates (col. maps, col. diagrs.). 12s. 6d. (*D*) *573*

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McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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WATERLOW & SONS LIMITED, LONDON & DUNSTABLE.

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VOLUME 18 NUMBER 8
AUGUST 1953
Nos. 574-658

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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Volume 18 *Number 8* *August 1953*

SCIENTIFIC RESEARCH

BRITISH COMMONWEALTH SCIENTIFIC OFFICE, North America
The BCSO review of science in U.S.A. for the year ending June 1952. H.M.S.O., 1953. pp.iv,40, tables, diagrs. 2s. 6d. *(B) 574*

QUENOUILLE, M. H.
The design and analysis of experiment. Griffin, 1953. pp.xiii,356, tables, bibliog. 36s. *(C) 575*

DOCUMENTATION

FRAENKEL, J., *comp.*
The Jewish press of the world. World Jewish Congress Cultural Department, 1953. pp.38. Gratis. *(B) 576*

BIBLIOGRAPHY

LEWIS, H. K., & Co. Ltd., Medical, Scientific and Technical Lending Library
Supplement to the catalogue, including a classified index of subjects with the names of those authors who have treated upon them, 1950–1952. Lewis's Library, 1953. pp.288. 6s. (3s. to subscribers). *(B) 577*

LIBRARY ASSOCIATION
The subject index to periodicals, 1952; general ed. T. R. Powell. The Association, 1953. pp.xii,671. 105s. *(D) 578*

SIMMS, T. H., *comp.*
Citizenship; a select book list for the use of teachers and school librarians in secondary schools, and for non-specialist students; comp. for the Association for Education in Citizenship and the School Library Association. School Library Association, 1953. pp.28. 3s. 6d. (2s. 6d. limp covers). *(B) 579*

UNITED STATES. Department of Commerce
United States Department of Commerce publications; comp. under the direction of W. M. Johnson. Washington, U.S. Government Printing Office, 1952. pp.xv,795. $2.75. *(D) 580*

[See also *636*]

LIBRARIANSHIP

HESSEL, A.
A history of libraries; translated, with supplementary material, by R. Peiss. Washington, Scarecrow Press, 1950; [London, Bailey Bros. & Swinfen, 1953]. pp.v,198. $4.50 or 36s. *(B) 581*

INDIAN LIBRARY ASSOCIATION. All-India Library Conference, 10th, Hyderabad, 1953
Depth classification and reference service & reference material papers for discussion; ed. by S. R. Ranganathan. Delhi, the Association; London, Blunt, 1953. pp.444, tables. 36s. *(C) 582*

LUBETZKY, S.

Cataloging rules and principles: a critique of the A.L.A. rules for entry and a proposed design for their revision; prepared for the Board on Cataloging Policy and Research of the A.L.A. Division of Cataloging and Classification. Washington, Library of Congress Processing Department, 1953. pp.ix,65. Limited free distribution. *(B) 583*

SHAW, R. R.

The use of photography for clerical routines. Washington, American Council of Learned Societies, 1953. pp.[6],85, illus., tables. $1. *(B) 584*

STANDING CONFERENCE OF THEOLOGICAL AND PHILOSOPHICAL LIBRARIES IN LONDON

Guide for research-ticket holders. 6 Salisbury Sq., London, E.C.4, the Conference, 1953. pp.10. 1s. 3d. *(D) 585*

UNITED STATES. Library of Congress. Processing Department

The role of the Library of Congress in the international exchange of official publications; a brief history, by R. D. Stevens. Washington, the Library, 1953. pp.[4],85. 60¢. *(B) 586*

DIRECTORIES AND YEARBOOKS

The Anglo-American year book, 1953

The Anglo-American year book, 1953. Ed. P. Hamlin. 41st ed. American Chamber of Commerce, 1953. pp.xxxi,523, plate 25s. *(B) 587*

PSYCHOLOGY

FORDHAM, F.

An introduction to Jung's psychology. Melbourne, London [etc.], Penguin, 1953. pp.128, bibliog. 2s. *(A) 588*

NEUSTATTER, L.

Psychological disorder and crime. Christopher Johnson, 1953. pp.248, diagrs., bibliog. 21s. *(A) 589*

[See also *600*]

SOCIAL SCIENCES

[See *579*]

STATISTICS

GREAT BRITAIN. Treasury

Government statistical services. H.M.S.O., 1953. pp.28, tables. 1s. 3d. *(B) 590*

UNITED NATIONS. Statistical Office

Statistical yearbook, 1952. 4th issue. New York, United Nations, 1952. pp.554, tables. $6.00 or 45s. *(B) 591*

[See also *601, 602*]

ECONOMICS

HAYNES, W. W.

Nationalization in practice: the British coal industry. Bailey & Swinfen by arrangement with Harvard University Graduate School of Business Administration, 1953. pp.xix,413, map, bibliog. 32s. *(B) 592*

SHAFI, M.

Labour code of Pakistan. Martin Road, Karachi 5, Pakistan, Pakistan Labour Publications, 1953. pp.xx,1052, tables, diagrs. $18.20, Rs.60/-, or 130s. *(D) 593*

UNITED STATES. Library of Congress. European Affairs Division

The economic reconstruction of Austria, 1945–1952; a report on postwar developments, by F. Heissenberger. Washington, the Library, 1953. pp.xii,153, tables. $1. *(B) 594*

PUBLIC ADMINISTRATION

HENE, D. H.

The British health service. Shaw, 1953. pp.xii,44, tables, diagrs. 21s. *(A) 595*

EDUCATION

BELL, V.

On learning the English tongue. Faber, 1953. pp.138. 8s. 6d. *(A) 596*

CHICAGO. University. Reading Clinics

Clinical studies in reading II; with emphasis on vision problems. Ed. by H. M. Robinson. Chicago, University of Chicago Press, 1953. pp.x,189, plates, tables, bibliogs. *Department of Education. Supplementary educational monographs.* $3.75. *(C) 597*

PAGE, H.

Playtime in the first five years; illustrations by L. Valentine. Rev. 2nd ed. A. & U., 1953. pp.[13],178, front., illus., plates. 12s. 6d. 'Previous ed. pub. Croydon (Sy.), Watson & Crossland, 1939.' *(A) 598*

RAY, M.

See what I mean: design and production of individual visual aids. Cassell, 1953. pp.vi,7-56, illus., diagrs. 7s. 6d. *(B) 599*

WOLFFHEIM, N.

Psychology in the nursery school; translated by C. L. Hannam. Duckworth, 1953. pp.144, index. *Social science studies.* 9s. *(A) 600*

MATHEMATICS

DOOB, J. L.

Stochastic processes. New York, Wiley; London, C. & H. [1953]. pp.vii, 654, bibliog. $10 or 80s. *Wiley publications in statistics series, ed. by W. A. Shewhart.* *(C) 601*

FISHER, R. A., *and* **YATES, F.**

Statistical tables for biological, agricultural and medical research. 4th ed. rev. and enlarged. Edinburgh and London, Oliver & Boyd, 1953. pp.xi,126, tables. 21s. 'Previous ed. 1948.' *(C) 602*

FRANKLIN, P.

Differential and integral calculus. New York, etc., London, McG.-H., 1953. pp.xi,641, tables, diagrs. $6.0 or 51s. *(B) 603*

MILNE, W. E.

Numerical solution of differential equations. New York, Wiley; London, C. & H., 1953. pp.xi,275, tables, diagrs., bibliog. *Applied mathematics, series, ed. by I. S. Sololnikoff.* $6.50 or 52s. *(C) 604*

ASTRONOMY

CHAPMAN, R. W.

The elements of astronomy for surveyors. 5th ed. rev. and enlarged, by J. B. Mackie. Griffin, 1953. pp.vii,245, tables, diagrs. 26s. 'Previous ed. 1933.' *(B) 605*

GEODESY

[See *605*]

PHYSICS

COALSTAD, S. E.

Surface spread of flame; an account of tests conducted to August, 1952. Sydney, Commonwealth Experimental Building Station, 1952. pp.iv,6, plate, table. 3s. *Special report no. 10.* (*B*) *606*

CURRY, C.

Geometrical optics. Edward Arnold, 1953 pp.viii,173, tables, diagrs., bibliog. 21s. (*B*) *607*

PERMANENT MAGNET ASSOCIATION

Permanent magnets. Sheffield, the Association [1953]. pp.58, illus., facsims., tables, diagrs. (some col.). 10s. (*C*) *608*

WESTERGAARD, H. M.

Theory of elasticity and plasticity. Cambridge, Mass., Harvard University Press; New York, Wiley; London, C. & H., 1952. pp.xii,176. $5.00 or 40s. (*C*) *609*

CHEMISTRY

GAYDON, A. G., *and* **WOLFHARD, H. G.**

Flames: their structure, radiation and temperature. C. & H., 1953. pp.xi,340, plates (2 col.), tables, diagrs., bibliog. 35s. (*C*) *610*

PINSKER, Z. G.

Electron diffraction; translated [from the Russian] by J. A. Spink and E. Feigl. Butterworths, 1953. pp.xiv,443, 25 plates, diagrs., tables. 63s. 'Originally published, Moscow, Academy of Sciences Institute of Crystallography, 1949.' (*C*) *611*

WILD, F.

Estimation of organic compounds. Cambridge, C.U.P., 1953. pp.viii,239, tables, diagrs. 25s. (*B*) *612*

METEOROLOGY

HARE, F. K.

The restless atmosphere. Hutchinson, 1953. pp.viii,192, maps, diagrs., bibliog. 8s. 6d. *Hutchinson's university library, geography, ed. by S. W. Wooldridge and W. G. East.* (*B*) *613*

HOLLAND, D. J.

Weather inference for beginners made clear in a series of actual examples. C.U.P., 1953. pp.xiv,196, front., tables, diagrs. (some col.). 30s. (*A*) *614*

BIOLOGY

BEAUFOY, S., *and* **BEAUFOY, E. M.**

Butterflies of the wood; written and illustrated by S. and E. M. Beaufoy. Collins, 1953. pp.36, plates, tables. 3s. 6d. *Country naturalist series, ed. by James Fisher, no. 2.* (*A*) *615*

DAKIN, W. J.

Australian seashores. London, Angus, 1952. pp.xii,472, plates, diagrs. 45s. (*B*) *616*

FREY-WYSSLING, A.

Submicroscopic morphology of protoplasm. [English tr. by M. Hollander. 2nd rev. and enlarged ed.] New York, Elsevier 1953. pp.411. $8.00. (*C*) *617*

GURR, E.

A practical manual of medical and biological staining techniques. Leonard Hill, 1953. pp.xix,320, front. (port.), tables. 25s. *(D) 618*

[See also *602*]

BOTANY

FULLER, H. J.

The plant world. Rev. ed. Harrap, 1953. pp.xiv,769, front., illus., tables, diagrs., bibliog. 30s. 'Previous ed. pub. New York, Holt, 1941.' *(B) 619*

ZOOLOGY

MORLEY, D. W.

Ants; with 27 photographs by R. Kleboe, R. Startup and others, 50 drawings and maps, and a key for the identification of British ants drawn by A. Burch. Collins, 1953. pp.xii,179, front., plates, map, diagrs., bibliog. 18s. *New naturalist monograph series, no. 8.* *(A) 620*

PUBLIC HEALTH

BLACKLOCK, D. B., *and* **SOUTHWELL, T.**

A guide to human parasitology. Rev. by T. H. Davey. 5th ed. Lewis, 1953. pp.viii,228, illus., plates, tables. 25s. *(B) 621*

VETERINARY SCIENCE

HOSKINS, H. P., *and* **LACROIX, J. V.,** *eds.*

Canine surgery, a text and reference work; the work of twenty-nine North American authors. 3rd ed. rev. and enl. Evanston, (Ill.), American Veterinary publications, Inc., 1952. pp.537, illus. $15. *(B) 622*

ENGINEERING

MILLER, J. T.

A course in industrial instrument technology. United Trade P. [1953]. pp.139, tables, diagrs., bibliog. 20s. 'Reprinted from *Instrument Practice* 1951–1952.' *(B) 623*

Testing Materials

GUYON, Y.

Prestressed concrete; edited by W. M. Johns from the translations of [the French text by] A. J. Harris, J. D. Harris, T. O. Lazarides. Contractors' Record and Municipal Engineering, 1953. pp.xv,543, illus., tables, diagrs. 70s. 'Originally published as *Béton précontraint.* Paris, Editions Eyrolles, 1953.' *(B) 624*

Electrical

LIGHTING SERVICE BUREAU

Fluorescent lamps. Lighting Service Bureau, 1953. pp.16, illus., tables, diagrs. 1s. *Technical supplements series, 1G.* *(B) 625*

Civil

PECK, R. B., *and others*

Foundation engineering, by R.B. Peck, W. E. Hanson, T. H. Thornburn. New York, Wiley; London, C. & H. [1953]. pp.xix,410, front., illus. (incl. ports.), tables, diagrs. 54s. *(B) 626*

AGRICULTURE

[See *602*]

Soils

FAULKNER, E. H.

Soil restoration; with a foreword by S. Graham Brade-Berks. Michael Joseph, 1953. pp.207. 10s. 6d. (*A*) *627*

Crops

BALLS, W. L.

The yields of a crop, based on an analysis of cotton growing by irrigation in Egypt. Spon, 1953. pp.xv,144, front., plates, tables, diagrs., bibliog. 25s. (*B*) *628*

Fruit Growing

WRIGHT, D. M.

Dwarf fruit trees: their care and management. Faber, 1953. pp.111, col. front., illus., plates, tables. 7s. 6d. (*A*) *629*

Horticulture

CROCKER, W., *and* BARTON, L. V.

Physiology of seeds: an introduction to the experimental study of seed and germination problems. 1st ed. Waltham (Mass.), Chronica Botanica Co., 1953. pp.267, illus. (1 plate). $6.50 or 52s. *New series of plant science books.* (*C*) *630*

GERARD, G.

Electricity in the garden. Collingridge, 1953. pp.x,125, illus., plates, tables, diagrs., bibliog. 15s. (*A*) *631*

MORTON, R. J.

Perpetual flowering carnations. Collingridge, 1953. pp.79, illus., plates, diagrs. 10s. 6d. (*A*) *632*

Livestock

PHILIP, J. S. P.

Stock husbandry. Pitman, 1953. pp.xvii,269, illus., tables, diagrs. 21s. *Farm institute series, ed. by R. Ede.* (*B*) *633*

ROBINSON, L.

Modern poultry husbandry; 3rd ed. rev. Crosby Lockwood, 1953. pp.xi,657, front., illus., tables, diagrs., bibliog. 30s. *Agricultural and horticultural series, ed. by H. C. Long.* 'Previous ed. 1951.' (*B*) *634*

Dairying

GOSS, E. F.

Techniques of dairy plant testing. Iowa, Iowa State College Press, 1953. pp.xii,350, illus. $4.50 or 34s. (*B*) *635*

PRINTING AND PUBLISHING

BINNS, N.

An introduction to historical bibliography. Association of Assistant Librarians, 1953. pp.xii,371, illus., facsims., diagrs. 25s. (20s. to members). (*B*) *636*

VOET, A.

Inks and paper in the printing process. New York and London, Interscience Publications, 1952. pp.xii,213, illus., tables, diagrs. $5.90 or 46s. (*B*) *637*

TRANSPORT

MURRAY, M.
Union-Castle chronicle 1853–1953. L.G., 1953. pp.xvii,392, front., plates (some col.), tables. 21s. *(A) 638*

INDUSTRIAL ORGANIZATION

IMMER, J. R.
Materials handling. McG.-H., 1953. pp.viii,591, illus., tables, diagrs., bibliog. 57s. 6d. *(B) 639*

INSTITUTE OF ECONOMIC ENGINEERING
A work study glossary. The Institute, 1953. pp.36. 2s. 6d. *(D) 640*

[See also *584*]

CHEMICAL TECHNOLOGY

MINER, C. S., *and* **DALTON, N.,** *eds.*
Glycerol. New York, Reinhold; London, C. & H., 1953, pp.xiv,460, illus., tables, diagrs. $12 or 96s. *American Chemical Society. Series of chemical monographs, no. 117.* *(B) 641*

MANUFACTURES

METALS

BRITISH PRODUCTIVITY COUNCIL
The British pressed metal industry: report of a productivity team from the United States of America which visited the United Kingdom in 1951. British Productivity Council, 1953. pp.33, plates, map, diagrs. 3s. *Productivity team report series.* *(A) 642*

KOENIGSBERGER, F.
Welding technology. 2nd ed. Cleaver-Hume, 1953. pp.viii,341, illus., tables, diagrs. 25s. 'Previous ed. 1949.' *(B) 643*

WOOD

HUNT, G. McM., *and* **GARRATT, G. A.**
Wood preservation. 2nd ed. N.Y., London [etc.], McG.-H., 1953. pp.xi,417, front., illus., tables, diagrs., bibliog. 64s. *American forestry series, ed. by Henry J. Vaux.* 'Previous ed. 1938.' *(B) 644*

LEATHER

THORNTON, J. H., *ed.*
Textbook of footwear manufacture. National Trade Press, 1953. pp.xii,551, illus., tables, diagrs., bibliog. 45s. *(B) 645*

PAPER

GREEN, J. B.
Papermaking by hand in 1953; an art in which Great Britain has excelled for centuries. Phillips, 1953. pp.16, plates. 7s. 6d. *(B) 646*

WIEGMAN, C.
Trees to news. Toronto, McClelland, 1953. pp.xii,364, illus. (ports.), tables. $4.50. *(A) 647*

TEXTILES

CALDWELL, S. A. G.
Rayon staple fibre spinning. 1st ed. London and Manchester, Emmott, 1953. pp.7,170, illus., tables, diagrs. 21s. *(B) 648*

Plastics

HOOPER, R.

Plastics for the home craftsman: characteristic of the chief plastics, working them by hand and light machines, improvising equipment, original designs to make, etc. Evans, 1953. pp.x,166, front. illus., plates, tables, diagrs. 12s. 6d. '*Woodworker' handbooks series.* (*B*) *649*

Fine Mechanisms

BRITISH INDUSTRIAL MEASURING AND CONTROL APPARATUS MANUFACTURERS' ASSOCIATION

Handbook, 1953. The Association, 1953. pp.133, illus. Gratis. (*D*) *650*

PHYSICAL SOCIETY

Handbook of scientific instruments and apparatus, 1953, as shown at the 37th Physical Society exhibition to be held at Imperial College . . . London . . . from Monday, 13th April to Friday, 17th April. The Society, 1953. pp.xii,262, illus., plans, tables. 6s. (*D*) *651*

BUILDING

Laxton's builders' price book

Laxton's builders' price book incorporating Lockwood's builders' price book. 126th ed., ed. and rev. throughout by P. T. Walters. Kelly's Directories Ltd. 1953. pp.1076, tables. 30s. (*D*) *652*

VAN DEN BRANDEN, F., *and* **KNOWLES, M.**

Plastering skill and practice. Chicago, American Technical Society; Kingston Hill (Surrey), Technical Press, 1953. pp.x,298, front., illus., tables, diagrs. 40s. (*B*) *653*

ARCHITECTURE

PEVSNER, N.

County Durham. Penguin, 1953. pp.287, illus. plates, map, diagrs. 4s. 6d. *Buildings of England series, no. 9.* (*B*) *654*

ROWLAND, B.

The art and architecture of India: Buddhist, Hindu, Jain. Penguin, 1953. pp.xviii,289, plates, map, plans, table, diagrs., bibliog. 42s. *Pelican history of art series, ed. by N. Pevsner, no. Z2.* (*B*) *655*

TOY, S.

The castles of Great Britain; illustrated with plans and photographs by the author. Heinemann, 1953. pp.xviii,276, plates, plans. 25s. (*B*) *656*

GEOGRAPHY

POUNDS, N. J. G.

Europe and the Mediterranean. New York, London [etc.], McG.-H., 1953. pp.vii,437, illus., maps, tables, bibliogs. $6 or 42s. 6d. *McGraw-Hill series in geography. J. C. Weaver, consulting editor.* (*A*) *657*

BIOGRAPHIES

WEEKLEY, M.

Thomas Bewick. O.U.P., 1953. pp.x,224, illus., bibliog. 21s. (*A*) *658*

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A. & U. : Allen & Unwin

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C.U.P. : Cambridge University Press

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L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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SEPTEMBER 1953
Nos. 659-743

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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Checklist of Philippine Government documents, 1950. Washington, Library of Congress, 1953. pp.[8],62. 40c. *(D) 659*

LONDON. Science Museum
Hand list of short titles of current periodicals in the Science Library. 7th ed. H.M.S.O., 1953. pp.iv,388. 10s. *(D) 660*

LONDON. Science Museum
Historic books on machines; Science Museum book exhibitions number two, catalogue. [H.M.S.O.], 1953. pp.28. 1s. 6d. *(D) 661*

SPECIAL LIBRARIES ASSOCIATION
A source list of selected labor statistics. Rev. ed. New York, the Association, 1953. pp.xvii,113. $2. *(D) 662*

SMART, J., *and* **TAYLOR, G.,** *eds.*
Bibliography of key works for the identification of the British fauna and flora. 2nd ed. British Museum (Natural History), Systematics Association, 1953. pp.xi,126. 'Previous ed. 1942.' *Systematics Association Publications series, no. 1.* *(D) 663*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
Index translationum: international bibliography of translations, 4. Paris, Unesco, 1952. pp.565, table. 55s. *(D) 664*

UNITED STATES. Armed Forces Medical Library
Catalog, 1952. Washington, Library of Congress, 1953. pp.v,813. $17.50. *(D) 665*

UNITED STATES. Library of Congress. Reference Department
Postwar foreign newspapers; a union list. Washington, the Library, 1953. pp.vi,231. $1.60. *(D) 666*

LIBRARIANSHIP

BROUGH, K. J.
Scholar's workshop; evolving conceptions of library service. Urbana, University of Illinois Press, 1953. pp.xv,197, table. $4.50. *Illinois contributions to librarianship, no. 5.* *(B) 667*

CAMPBELL, A., *and* **METZNER, C. A.**
Public use of the library and of other sources of information. Rev. ed. Ann Arbor, University of Michigan Institute for Social Research, 1952. pp.vii,84, tables, diagrs. $2. *(B) 668*

GRENFELL, David
Periodicals and serials; their treatment in special libraries; with a foreword by E. M. R. Ditmas. Aslib, 1953. pp.xvi,200, illus., tables, diagrs. 12s. 6d. (10s. 6d. to members). *Aslib manuals, vol. 3.* *(B) 669*

LIBRARY ASSOCIATION

Proceedings, papers and summaries of discussions at the Llandudno Conference, 28th April to 1st May 1953. The Association, 1953. pp.70. 3s. 6d. *(B) 670*

DIRECTORIES AND YEARBOOKS

CANADIAN ASSOCIATION OF BRITISH MANUFACTURERS AND AGENCIES

Register of British products and Canadian distributors, 1953. Iliffe, 1953. pp.620. 42s. *(D) 671*

Guide to the coalfields, 1953

Guide to the coalfields, 1953; ed. by R. H. Walkerdine and C. Treharne Jones. Colliery Guardian, 1953. pp.xcvii,448, plates, maps. 20s. *(D) 672*

KEELING, G. W., *comp.*

Trusts and foundations: a select guide to organizations and grant-making bodies operating in Great Britain and the Commonwealth; ed. by T. Landau; with a foreword by the Rt. Hon. Lord Nathan. Cambridge, Bowes & Bowes, 1953. pp.xiii,194, tables. 42s. *(D) 673*

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PSYCHOLOGY

HARDING, D. W.

Social psychology and individual values. Hutchinson, 1953. pp.vii,9–184, bibliog. 8s. 6d. *Hutchinson's university library. politics series, ed. by G. D. H. Cole.* *(A) 674*

JUNG, C. G.

Psychology and alchemy; translated [from the German] by R. F. C. Hull. Routledge & Kegan Paul, 1953. pp.xxiv,553, facsims., bibliog. 35s. *Collected works ed. by Sir Herbert Read and others, no. 12.* 'Originally published as Psychologie und Alchemie, Zurich, Rascheu, 1944.' *(C) 675*

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SOCIAL SCIENCES

TROTTER, W.

Instincts of the herd in peace and war 1916–1919. Oxford, University Press, 1953. pp.xviii,219. 25s. 'Previous ed. Benn, 1919.' *(A) 676*

STATISTICS

FINNEY, D. J.

An introduction to statistical science in agriculture. Edinburgh and London, O. & B., 1953. pp.179, tables, diagrs., bibliog. 25s. *(B) 677*

[See also *662*]

EDUCATION

Christ's Hospital, Horsham

The Christ's Hospital book; with a foreword by H.R.H. the Duke of Gloucester. Published for a committee of Old Blues by H. Hamilton, 1953. pp.xxxiii,426, front., plates (inc. ports., facsims.), bibliog. 25s. 'Extracts relating to the school from the writings of distinguished alumni through the centuries; compiled to celebrate the quartercentenary of the school. *(A) 678*

CLARKE, A. K.
A history of the Cheltenham Ladies' College, 1853–1953. Faber, 1953. pp.193, front., illus., plates. 10s. 6d. *(A) 679*

GLENISTER, S. H.
The technique of handicraft teaching, with a foreword by H. A. T. Simonds. Harrap, 1953. pp.157. 7s. 6d. *(B) 680*

LAMB, G. F.
Your child at school. Watts, 1953. pp.93, tables, bibliog. 1s. 6d. *Thrift books series, ed. by Royston Pike, no. 22.* *(A) 681*

LEGGE, C. D., *and* **WALLER, R. D.,** *comps.*
Handlist of studies in adult education, 1952. National Institute of Adult Education, 1953. pp.32. 2s. *(D) 682*

LEWIS, M. M.
The importance of illiteracy. Harrap, 1953. pp.187. 7s. 6d. *(B) 683*

LONDON AND HOME COUNTIES REGIONAL ADVISORY COUNCIL FOR HIGHER TECHNOLOGICAL EDUCATION
Bulletin of special courses in higher technology 1953–54, part I. The Council, 1953. pp.[6],61. 1s. 6d. *(D) 684*

RAHMAN, F.,
New education in the making in Pakistan, its ideology and problems. Cassell, 1953. pp.ix,165. 15s. *(A) 685*

STEWART, W. A. C.
Quakers and education as seen in their schools in England. Epworth P., 1953. pp.ix,310, bibliog. 30s. *(B) 686*

STOCKS, M. D.
The Workers' Educational Association: the first fifty years. A. & U., 1953. pp.158. 12s. 6d. *(A) 687*

ASTRONOMY

WEBB, E. J.
The names of the stars; ed. with an introduction by I. Bulmer-Thomas, and with a memoir by C. C. J. Webb. Nisbet, 1952. pp.206, plates, illus. 15s. *(A) 688*

PHYSICS

SCHONLAND, B. F. J.
Atmospheric electricity. 2nd rev. ed. London, Methuen; N.Y., Wiley, 1953. pp.vii,93, illus., tables, bibliog. 7s. 6d. 'Previous ed. 1932.' *Methuen's monographs on physical subjects.* *(C) 689*

BIRKS, J. B.
Scintillation counters. Pergamon, 1953. pp.viii,148, tables, diagrs., bibliog. 21s. *Electronics and waves series ed. by D. W. Fry.* *(C) 690*

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Dislocations and plastic flow in crystals. Oxford, Clarendon, 1953. pp.x,223, plates, tables, diagrs. 25s. *International series of monographs on physics.* (*C*) *692*

FINDLAY, A.

Introduction to physical chemistry. 3rd rev. ed. L.G., 1953. pp.vii,592, illus., tables, diagrs. 28s. 'Previous ed. 1942.' (*B*) *693*

WHITEHOUSE, W. J., *and* **PUTMAN, J. L.**

Radioactive isotopes: an introduction, their preparation, measurement and use. Oxford, Clarendon, 1953. pp.xvi,424, illus., plates, tables, diagrs. 50s. (*C*) *694*

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GEOLOGY

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Dynamical oceanography. London, Methuen; N.Y., Wiley, 1953. pp.xii,409, tables, diagrs., bibliog. 55s. or $8.50. (*B*) *695*

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List of sugar-cane insects: a synonymic catalogue of the sugar-cane insects and mites of the world, and of their insect parasites and predators, arranged systematically. Commonwealth Institute of Entomology, 1953. pp.[5],101, tables, bibliog. 15s. (*B*) *696*

HOPKINS, G. H. E., *and* **ROTHSCHILD, M.**

An illustrated catalogue of the Rothschild collection of fleas (Siphonaptera) in the British Museum (Natural History); with keys and short descriptions for the identification of families, genera, species and subspecies. Vol. I Tungidae and Pulicidae. British Museum (Natural History), 1953. pp.xv,365, illus., plates, tables, map, diagrs. 84s. (*C*) *697*

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BOTANY

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The changing flora of Britain, being the report of the conference held in 1952 by the Botanical Society of the British Isles. Oxford, Botanical Society of the British Isles, 1953. pp.204, illus., plates, maps. 15s. (*B*) *700*

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The birds of Scotland: their history, distribution and migration. Edinburgh, Oliver and Boyd, 1953. 2 v. Front., plates, maps, bibliog. 63s. (*B*) *701*

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The birds of Lancashire. Edinburgh and London, Oliver and Boyd, 1953. pp.xv,377, front., plates, maps, tables, bibliog. 21s. *(B) 702*

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Social behaviour in animals, with special reference to vertebrates. London, Methuen; New York, Wiley. 1953. pp.xi,150, plates, tables, bibliog. 12s. 6d. Methuen's monographs on biological subjects series, ed. by Michael Abercrombie. *(A) 703*

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Food inspection notes; a handbook for students. 4th ed. H. K. Lewis, 1953. pp.vii,128, tables, bibliog. 8s. 6d. 'Previous ed. 1949.' *(B) 706*

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The dimensioning of engineering drawings. London and Glasgow, Blackie, 1953. pp.v,186, tables, diagrs. 10s. 6d. 'The volume is supplementary to the author's *Machine Drawing and Design, 1945.*' *(B) 707*

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Designing by photoelasticity. C. & H., 1952. pp.xiii,414, illus., tables, diagrs., bibliog. 65s. *(C) 708*

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Information theory and its engineering applications. Pitman, 1953. pp.viii, 138, tables, diagrs. 20s. *(C) 709*

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Principles of electronics. Cleaver Hume, 1953. pp.335, tables, diagrs. 15s. *Cleaver Hume electrical series, ed. by Professor H. Cotton, no. 9.* *(B) 710*

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A first course in wireless. 3rd ed. Pitman, 1953. pp.vii,231, tables, diagrs. 12s. 6d. *(A) 711*

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Communication theory. Butterworth, 1953. pp.xii,532, illus., tables, diagrs. 65s. 'Papers read at a symposium on "Applications of Communication Theory" held at the Institution of Electrical Engineers, London, September 22nd–26th, 1952.' *(C) 712*

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Alternating current electrical engineering. 8th ed. Macmillan, 1953. pp.ix, 680, tables, diagrs. 36s. 'Previous ed. 1947.' *(B) 713*

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Radio designers' handbook. 4th ed. Iliffe, 1953. pp.xli, 1482, tables, diagrs., bibliog. 42s. 'Previous ed. 1940.' *(B) 714*

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Mining tips and gadgets. Mining Publications Ltd., 1953. pp.xi,114, illus., diagrs. 10s. *(B) 716*

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Engineering for nautical students: based on the Ministry of Transport and Merchant Navy Board syllabuses. 3rd ed., Glasgow, Brown Son & Ferguson, 1953. pp.[13],210, illus., plates, tables, diagrs 15s. 'Previous ed. 1941.' *(B) 717*

AGRICULTURE

BOURDE, A. J.

The influence of England on the French agronomes 1750–1789. Cambridge, C.U.P., 1953. pp.xi,150, plates, diagrs., bibliog. 31s. 6d. *(B) 718*

THIRSK, J.

Fenland farming in the sixteenth century; with an introduction by Professor R. H. Towney. Leicester, University College, 1953. pp.45, map, tables. 6s. *Leicester. University College. Department of English local history. Occasional papers series, no. 3.* *(B) 719*

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MACHINERY

HINE, H. J.

The farm workshop, Crosby Lockwood, 1953. pp.245, illus., tables, diagrs. 15s. *Agricultural and horticultural series.* *(A) 720*

FERTILIZERS

GARDNER, H. W., *and* **GARNER, H. V.**

The use of lime in British agriculture. Spon, 1953. pp.xiv,216, plates, tables, diagrs., map. 30s. *Agricultural series ed. by Professor H. G. Sanders.* *(B) 721*

PESTS

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CROPS

HILLS, L. D.

Russian comfrey: a hundred tons an acre of stock feed or compost for farm, garden or smallholding. Faber, 1953. pp.167, front., illus., plates, tables, diagrs., bibliog. 15s. *(A) 722*

HORTICULTURE

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The law of allotments. Shaw, 1953. pp.xxiii,142. 15s. *(B) 723*

PEARCE, S.
Flowering shrubs. Collingridge, 1953. pp. 92, illus., 3s. 6d. "*Amateur Gardening*" *handbook no. 2.* *(B) 724*

LIVESTOCK

POWELL-OWEN, W. H.
Poultry houses and appliances, with special chapters on outdoor brooders or chick rearers. Rev. ed. pp.v,154, front., illus., diagrs. 4s. 6d. *Cassell work handbooks.* *(A) 725*

RICE, V. A. *and others*
Breeding better livestock by V. A. Rice, F. N. Andrews and E. J. Warwick. New York, London [etc.] McG-H., 1953. pp.x,465, illus., tables, diagrs. 34s. *(B) 726*

TOWNSEND, G. A.
Practical rabbit-keeping, including hints on rationed feeding. 15th ed. rev. by R. Blake. Cassell, 1953. pp.128, front., plates, illus., 4s 6d. 'Previous ed. 1949.' *Cassell pet and livestock series.* *(A) 727*

WILSON, K.
A handbook to poultry; based on the syllabus of the examinations for the National certificate in poultry practice; drawings and diagrams by R. W. Ellis. Poultry World, 1953. pp.152, illus., plates, tables, diagrs. 10s. 6d. 'Includes a chapter on marketing.' *(B) 728*

TRANSPORT

EATON, R. J.
The elements of road transport. 2nd ed. Pitman, 1953. pp.ix,93, tables. 8s. 6d. 'Previous ed. 1936.' *(B) 729*

INDUSTRIAL ORGANIZATION

BRECH, E. F. L., *ed.*
The principles and practice of management. L.G., 1953. pp.xvi,752, illus., plates, diagrs., bibliog. 'Contributors: R. M. Aldrich, A. W. Field, J. Maddock, F. L. Woodroffe.' *(C) 730*

WILSON, R. F.
Colour and light at work, with a foreword by Sir C. J. Mole. Seven Oaks Press, 1953. pp.xi, 148, plates, tables, diagrs., bibliog. 25s. *(A) 731*

CHEMICAL TECHNOLOGY

FUEL

ELLIS, E. G.
Lubricant testing: introducing recent developments in testing technique. 8, Walker Street, Wellington (Shropshire), Scientific Publications, pp.232, illus., tables, diagrs. 37s. 6d. *(C) 732*

GLASS AND CERAMICS

BARRATT, F. A.

Worcester porcelain. Faber, 1953. pp.xiv,53, front., illus., plates, bibliog. 30s. *Faber monographs on pottery and porcelain series, ed. by W. B. Honey.* *(A) 733*

METALLURGY

DARKEN, L. S., *and* **GURRY, R. W.**

Physical chemistry of metals; with a collection of problems by Michael B. Bever. New York, London [etc.], McG-H., 1953. pp.ix, 545, illus. tables, diagrs. $12 or 61s. *Metallurgy and metallurgical engineering series, ed. by Robert F. Mehl.* *(B) 734*

DEAN, R. S.

Electrolytic manganese and its alloys. New York, Ronald, 1952. pp.257. $12. *(C) 735*

SULLY, A. H., *and others.*

Radiation suppressing coatings for metals at elevated temperatures by A. H. Sully, E. A. Brandes and R. B. Waterhouse. Stoke Poges, Bucks., Fulmer Research Institute, 1953. pp.[1], 24, plates, tables, diagrs. 15s. *Fulmer Research Institute Special Report no. 1.* *(C) 736*

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TEXTILES

INDERFURTH, K. H.

Nylon technology. McG-H., 1953. pp.ix, 335, illus., tables, diagrs. 46s. 6d. *Textile technology series, ed. by C. W. Bendigo* *(B) 737*

TEXTILE RECORDER

Annual book of the year, 1953. Manchester, London, Harlequin P., 1953. pp.211, illus., diagrs., bibliog. 37s. 6d. *(D) 738*

RUBBER

AMERICAN SOCIETY FOR TESTING MATERIALS

Symposium on recent developments in the evaluation of natural rubber. Philadelphia, the Society, 1953. pp.117. $2.25. *Special technical publication, no. 136* *(C) 739*

INSTITUTION OF THE RUBBER INDUSTRY

Annual report on the progress of rubber technology; ed. by T. J. Drakeley. Cambridge, Heffer, 1953. pp.vii, 165, tables. 21s. *(C) 740*

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LINSSEN, E. F.

Entomological photography in practice: a guide book for photographers and naturalists on the photographic illustration of close-up natural history subjects. Fountain P., 1953. pp.112, illus., plates, tables, bibliog. 32s. 6d. *(B) 741*

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Germany; a general and regional geography. London, Methuen; N.Y., Dutton, 1953. pp.xxiii,700, illus., plates, maps. 50s. or $10. *(B) 742*

STAMP, L. D.

Africa; a study in tropical development. N.Y., Wiley; London, C. & H., 1953. pp.vii,568, illus., maps. $8.50 or 68s. *(B) 743*

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L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

ASLIB BOOK-LIST

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GENERAL SCIENCE

CROMBIE, A. C.
Robert Grosseteste and the origins of experimental science, 1100–1700. Oxford, Clarendon, 1953. pp.xii,369, front., plates, diagrs., bibliog. 35s. *(C) 744*

SCIENTIFIC RESEARCH

[See *811*]

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Index to theses accepted for higher degrees in the universities of Great Britain and Ireland. Vol. 1, 1950–51; ed. by P. D. Record. Aslib, 1953. pp.xii,157. 25s. (21s. to members). *(D) 745*

FORD, P., *and* **FORD, G.,** *comps.*
Select list of British parliamentary papers 1833–1899. Oxford, Blackwell, 1953. pp.xxii,165. 27s. 6d. *(B) 746*

GREAT BRITAIN. Parliament
Hansard's catalogue and breviate of parliamentary papers 1696–1834; reprinted in facsimile, with an introduction by P. Ford and G. Ford. Oxford, Blackwell, 1953. pp.xv; viii,220. 40s. 'Originally published, London, J. and L. G. Hansard & Sons, 1834'. *(B) 747*

LEIDY, W. P.
A popular guide to government publications. New York, Columbia University Press; London, O.U.P., 1953. pp.xxii,296. $3.00 or 20s. *(D) 748*

NEW YORK. University. Law Center
A catalogue of the law collection at New York University, with selected annotations; comp. and ed. by J. J. Marke. New York, the Center, 1953. pp. 1372. $22.50. 'Distributed by Oceana Publications'. *(D) 749*

ROYAL SOCIETY OF ARTS
Library catalogue. London, the Society, [1953]. pp.162. 2s. 6d. *(B) 750*

UNITED STATES. Library of Congress. European Affairs Division
The United States and Europe: a bibliographical survey of thought expressed in American and British writings of 1951–1952; prepared under the direction of H. J. Krould by H. F. Conover. Washington, the Library, 1953. pp.vi,255. $1.75. *(D) 751*

WORLD HEALTH ORGANIZATION *and* **UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION**
World medical periodicals—Les périodiques médicaux dans le monde—Periodicos medicos del mundo; [comp. by L. T. Morton]. Geneva, W.H.O.; Paris, Unesco, 1953. pp.xvi,237. 12s. 6d., $2.00 or 600 fr. *(D) 752*

LIBRARIANSHIP

AMERICAN LIBRARY ASSOCIATION. Conference, 1953. Audio-visual Workshop

Proceedings; prepared by I. Lieberman. Berkeley, University of Southern California, 1953. pp.[4], 57, mimeographed. $1.00 (*B*) *753*

HEWITT, A. R.

A summary of public library law in England and Wales, Scotland and Northern Ireland. 3rd ed. Association of Assistant Librarians, 1953. pp.87. 6s. (5s. to members). (*B*) *754*

UNITED STATES. Library of Congress. Descriptive Cataloging Division.

Rules for descriptive cataloging . . . motion pictures and filmstrips. 2nd preliminary ed. Washington, the Library, 1953. pp.18. No price. (*B*) *755*

UREN, L. C.

Decimal system for classifying data pertaining to the petroleum industry [3rd ed.] Berkeley, Los Angeles, University of California Press, 1953. pp.[2], 94, tables. $2.50. (*D*) *756*

DIRECTORIES AND YEARBOOKS

ASSOCIATION OF AMERICAN LIBRARY SCHOOLS

Directory, 1952; comp. by R. H. Shove. 3rd ed. Minneapolis, University of Minnesota, Division of Library Instruction, 1953. pp.iii,45. No price. (*D*) *757*

PSYCHOLOGY

NISBET, J. D.

Family environment: a direct effect of family size on intelligence. Eugenics Society; Cassell, 1953. pp.51, tables, diagrs., bibliog. 3s. 6d. *Eugenics Society—occasional papers on eugenics, no. 8.* (*C*) *758*

SOCIAL SCIENCES

Political Science

BUTLER, D. E.

The electoral system in Britain, 1918–1951. Oxford, Clarendon, 1953. pp.xiv, 222, tables. 21s. (*B*) *759*

Economics

CRAIG, J.

The Mint: a history of the London Mint from A.D. 287 to 1948. Cambridge, C.U.P., 1953. pp.xviii,450, plates, tables, bibliog. 70s. (*A*) *760*

MARX, D.

International shipping cartels: a study of industrial self-regulation by shipping conferences. Oxford, O.U.P.; Princeton, (U.S.A.), University Press, 1953. pp.323. 40s. or $6.00. (*C*) *761*

MEADE, J. E.

Problems of economic union. A. & U. 1953. pp.ix,102. 9s. 6d. (*B*) *762*

EDUCATION

BRITISH INSTITUTE OF MANAGEMENT

Education and training in the field of management: a survey of relevant courses and subjects at universities, technical and commercial colleges, and colleges of further education in the United Kingdom, and in the examinations of professional and educational bodies. British Institute of Management, 1953. pp.200, tables. 7s. 6d. (*D*) *763*

[See also *745*]

MATHEMATICS

BRONWELL, A.

Advanced mathematics in physics and engineering. New York, London [etc]. McG–H., 1953. pp.xvi, 475. diagrs. 51s. *(C) 764*

WANG, CHU-KAI.

Statically indeterminate structures. 12th ed. New York, McG–H., 1953. pp.x,424, diagrs. $7.50. *(C) 765*

ASTRONOMY

PAYNE-GAPOSCHKIN, C.

Stars in the making. Cambridge, Mass., Harvard University Press, 1952; London, Eyre & Spottiswoode, 1953. pp.xii,161, illus., plates, diagrs. $4.25 or 25s. *(C) 766*

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CURRAN, S. C.

Luminescence and the scintillation counter. Butterworths, 1953. pp.x,219, illus., tables, diagrs. 32s. 6d. *(C) 767*

ROSENAUER, N., *and* **WILLIS, A. H.**

Kinematics of mechanisms. Sydney, Associated General Publications, 1953. pp.400. illus. 90s. *(C) 768*

SQUIRE, C. F.

Low temperature physics. London, New York, [etc.], McG–H., 1953. pp.x, 244, illus., tables, diagrs. 46s. 6d. or $6.50. *International series in pure and applied physics ed. by G. P. Harnwell.* *(C) 769*

[See also *764*]

CHEMISTRY

COOK, J. W., *ed.*

Progress in organic chemistry. London, Buttterworth; New York, Academic Press. 1953. pp.viii,212, tables, diagrs., bibliog. 42s. *(C) 770*

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PEARSE, A. G. E.

Histochemistry; theoretical and applied. Churchill, 1953. pp.viii,530, front., plates, tables, diagrs., bibliog. 60s. *(C) 773*

POLLARD, F. H., *and* **McOMIE, F. W.**

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WHISTLER, R. L., *and* **SMART, C. L.**
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Micrometeorology: a study of physical processes in the lowest layers of the earth's atmosphere. London, New York, [etc.], McG–H., 1953. pp.xii,333, front., tables, diagrs. 61s. or $8.50. *(C) 777*

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RICHDALE, L. E.
Post-egg period in albatrosses. Dunedin, Otago Daily Times, 1952. pp.166, illus. 30s. *Biological monographs—no. 4.* 'Complementary volume to author's earlier publication *The pre-egg stage in the albatross family*'. *(B) 781*

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[See *764*]

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Investigation into the plastic bending of aluminium alloy beams. Aluminium Development Association, 1953. pp.68, illus., tables, diagrs. 7s. 6d. *Aluminium Development Association. Research report series, no. 16.* *(B) 783*

FAIRMAN, S., *and* **CUTSHALL, C. S.**
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ARMSTRONG, W. H.
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Automation; the advent of the automatic factory. New York, Van Nostrand; [London, Macmillan], 1952. pp.ix,181. $3.00 or 22s. 6d. *(B) 786*

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The behaviour of aluminium alloy riveted joints. Aluminium Development Association, 1953. pp.95, illus., tables, diagrs. 7s. 6d. *Aluminium Development Association. Research report series, no. 15.* *(B) 787*

PEARSON, G. H.
The design of valves and fittings. Pitman, 1953. pp.xiii,430, plates, tables, diagrs. 50s. *(C) 788*

STEAM

WILLIAMS, J. N.
Boiler house practice. A. & U., 1953. pp.600, illus., tables, diagrs. 60s. *(B) 789*

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BUCKINGHAM, H., *and* **PRICE, E. M.**
Principles of electronics. Cleaver-Hume, 1953. pp.335, tables, diagrs. 15s. *Principles of electronics series—no. 9.* *(B) 790*

RODDA, S.
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Modulators and frequency-changers for amplitude-modulated line and systems. Macdonald, 1953. pp.xiv,15–232, tables, diagrs., bibliog. 28s. 6d. *(C) 792*

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GIFFEN, E., *and* **MURASZEW, A.**
Atomization of liquid fuels. C. & H., 1953. pp.ix,246, plates, tables, diagrs., bibliog. 36s. *(B) 793*

MILITARY

BRITISH PRODUCTIVITY COUNCIL
Ammunition: report of a British productivity team on ammunition which visited the United States of America in 1952. The Council, 1953. pp.x,135, plates, facsims., tables, diagrs. 5s. *(B) 794*

CIVIL

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Design of cylindrical concrete shell roofs; prepared by the Committee on Masonry and Reinforced Concrete of the Structural Division through its Subcommittee on Thin Shell Design. New York, the Society, 1952. pp.viii,177, illus. $5.00. *(B) 795*

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The design of dams. Translated [from the French] by F. F. Fergusson. Pitman, 1953. pp.xiii,344, plates, tables, diagrs., bibliog. 45s. 'Originally published as *Cours de calcul de barrages.* Paris, Eyrolles, 1948'. *(C) 796*

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THIRD CONFERENCE ON COASTAL ENGINEERING

Proceedings of third conference on coastal engineering, Cambridge (Mass.), 1952, ed. by J. W. Johnson. Berkeley, (Cal.), Council on Wave Research, 1953. pp.vii,343, front., illus., plates, maps, tables, diagrs., bibliog. $4.50. *(C) 798*

PECK, R. B., *and others*

Foundation engineering by R. B. Peck, W. E. Hanson and T. T. Thornburn. London, C. & H.; New York, Wiley. 1953. pp.xix,410, front., illus., tables, diagrs. 54s. *(B) 799*

HYDRAULIC

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Modern pumps: a comprehensive survey of modern pumping equipment and practice. Newnes, 1953. pp.viii,240, illus., tables, diagrs. 21s. *(B) 800*

AUTOMOBILE

Autocycles and cyclemotors: how to get the best from them

Autocycles and cyclemotors: how to get the best from them, by the staff of *Motor Cycle*. 3rd ed. Iliffe, 1953. pp.140, illus., tables, diagrs. 5s. 'Previous ed. 1952'. *(A) 801*

FRAZEE, I., *and others*

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S.A.E. automotive drafting standards; recommended uniform practices for independent technical schools and engineering colleges. New York, the Society, 1953. pp.1032, illus., tables, diagrs. $4.50 or $6.50 with binder. 'Previous ed. 1952.' *(D) 803*

AGRICULTURE

GREAT BRITAIN. Development Commission

A survey of agriculture, forestry and fishery products in the United Kingdom and their utilization, June, 1951. H.M.S.O., 1953. pp.vi,141, plates (maps), tables, diagrs. 7s. 6d. *(B) 804*

DAIRYING

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Milk utilization: report of a British Productivity Team which visited the United States of America in 1952 to study the utilization of milk. British Productivity Council, 1953. pp.xv,114, illus., plates, map, tables, diagrs. 5s. *(C) 805*

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BALDING & MANSELL

Type-principles and application; the house style of Balding & Mansell, with some photographs taken at their plant. Park Works, Wisbech, Cambs., Balding & Mansell, 1953. pp.80, illus., plates, tables. 7s. 6d. *(B) 806*

MANNERFELT, C. M., *and* **LUNDQVIST, G.**
Some trends in Swedish map reproduction. Stockholm, Generalstabens Litografiska Anstalt, 1952. pp.24, illus., diagrs. 2s. 6d. *(B) 807*

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BONWICK, G. J., *and* **STEER, E.**
Ship's business. Liverpool, Maritime Press, 1953. pp.295, illus., plates, diagrs. 22s. 6d. *(B) 808*

DUNBAR, C. S.
Goods vehicle operation: principles and practice for students and executives. 2nd ed. Published for *Motor Transport* by Iliffe, 1953. pp.160, illus., plates, maps, tables, diagrs. 12s. 6d. 'Previous ed. 1949.' *(B) 809*

INDUSTRIAL ORGANIZATION

CHESTER, T. E., *and* **SMITH, J. H.**
Management under nationalization; studies in decentralization. Acton Society Trust, 1953. pp.79. 7s. 6d. *(B) 810*

FEDERATION OF BRITISH INDUSTRIES. Industrial Research Committee. Conference of Industrial Research Directors and Managers, 3rd, 1953
The commercial utilization of research results: report of the Conference. The Federation, 1953. pp.[6], 70. 3s. 6d. *(B) 811*

MARTIN, E.
How to take minutes of meetings of directors, shareholders, societies, municipalities, etc., including chapters on voting and the drafting of resolutions. 6th ed. by G. K. Bucknall. Pitman, 1953. pp.vi,122. 6s. *(A) 812*

ORD, L. C.
Industrial frustration: commonsense for trade unionists; with a foreword by Sir Edward Peacock. Mayflower Publishing Co. 1953. pp.xi,178, table. 12s. 6d. *(A) 813*

ORGANIZATION FOR EUROPEAN ECONOMIC CO-OPERATION. Technical Assistance Mission No. 42
Materials handling, equipment and methods in the U.S.A. Paris, O.E.E.C., 1953. pp.170, illus., tables, diagrs., bibliog. 9s. or 450 fr. 'Report by a mission of European experts to the United States.' *(C) 814*

PAISH, F. W.
Business finance. Pitman, 1953. pp.vii,144, tables. 12s. 6d. *(B) 815*

[See also *763, 786*]

CHEMICAL TECHNOLOGY

FUEL

[See *793*]

FOOD

ANDERSON, A. J. C.
Refining of oils and fats for edible purposes. Pergamon, 1953. pp.vii,204, plates, tables, diagrs. 45s. *(B) 816*

METALLURGY

INSTITUTE OF METALS
Properties of metallic surfaces; a symposium organised by the Institute of Metals and held at the Royal Institution, London, on 19th November, 1952. The Institute, 1953. pp.368, illus., tables, diagrs. 35s. *Institute of Metals monographs and reports series—no. 13.* *(B) 817*

MANUFACTURES

METALS

AMERICAN FOUNDRYMEN'S SOCIETY

Pattern-makers' manual. Chicago, the Society, 1953. pp.279, illus. $6.7: ($4.50 to members). (*B*) *81*

Finishing handbook and directory

Finishing handbook and directory, 1952 [and] 1953. Comp. by the staff o *Product Finishing*. Sawell, 1953 .2v., illus., tables, diagrs., 21s. each. (*B*) *81*

LYONS, J. V., *and* **PUMPHREY, W. I.**

The properties of some binary aluminium alloys at elevated temperatures Aluminium Development Association, 1953. pp.19, illus., tables, diagrs 7s. 6d. *Aluminium Development Association. Research report series, no 17* (*B*) *82*

SCHALLER, G. S.

Engineering manufacturing methods. New York [etc.]. London, McG–H. 1953. pp.ix,613, illus., tables, diagrs., bibliog. 59s. 6d. or $7.00. (*C*) *82*

PAPER

CANADIAN PULP AND PAPER ASSOCIATION. Technical Section Committee on Education, *and* **TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. Committee on Vocational Education Joint Textbook Committee of the Paper Industry in the United States and Canada**

Pulp and paper manufacture. Vol. 3: Manufacture and testing of paper and board; prepared under the direction of the Joint Executive Committee on Vocational Education representing the pulp and paper industry of the United States and Canada. London, New York, [etc.], McG–H., 1953. pp.xiii,945, illus., tables, diagrs., bibliog. 78s. 6d. or $11.00. (*B*) *82*

HORNE, R. & Co. Ltd.

Paper for books. R. Horne & Co. Ltd., 1953. pp.62, specimens. 15s. (*D*) *82*

TEXTILES

CARTER, W.

Linen: the story of an Irish industry. Belfast, Carter Publications, 1953. pp.37, illus., bibliog. 2s. 6d. (*A*) *824*

FINE MECHANISMS

The Instrument Manual

The instrument manual. 2nd ed. United Trade Press Ltd., 1953. pp.vii,628, illus., tables, diagrs., bibliog. 84s. (*A*) *825*

BUILDING

ALUMINIUM DEVELOPMENT ASSOCIATION

Aluminium and its alloys in building: an introductory survey. The Association, 1953. pp.75, illus. 3s. 6d. (*B*) *826*

PHOTOGRAPHY

[See *827*]

GEOGRAPHY

WALKER, F.

Geography from the air. London, Methuen; New York, Dutton, 1953. pp.vii,110, plates, diagrs. 30s. (*B*) *827*

PUBLISHERS

The following abbreviations are used in the *Aslib Book-List.*

A. & U. : Allen & Unwin

C. & H. : Chapman and Hall

C.U.P. : Cambridge University Press

H.M.S.O. : Her Majesty's Stationery Office

L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

ASLIB BOOK-LIST

Volume 18 *Number 11* *November 1953*

GENERAL SCIENCE

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Conference, 1951, Philadelphia

Soviet science: a symposium presented on 27 December, 1951, at the Philadelphia meeting of the American Association for the Advancement of Science; arranged by C. Zinkle, H. A. Meyerhoff, edited by Ruth C. Christman. Washington (D.C.), American Association for the Advancement of Science; London, Bailey and Swinfen, 1952 [i.e. Aug. 1953]. pp.vii,108, table. 11s. or $1.25. *(B) 828*

NEWTON, *Sir* I. S.

Philosophiae naturalis principia mathematica. [London, William Dawson, 1953.] pp.510. 84s. 'Facsimile reprint of original edition, Londoni, jussu Societatis Regiae ac typis Josephi Streater, 1687'. *(B) 829*

DOCUMENTATION

STANILAND, L. N.

The principles of line illustration; with emphasis on the requirements of biological and other scientific workers. Harvard, University Press; London, Burke, 1953. pp.212, illus. 25s. or $5.00. *(B) 830*

BIBLIOGRAPHY

IBADAN. University College. Library

Nigerian publications, 1950–1952, a list of works received under the Publications Ordinance by the Library, University College, Ibadan, April 1950–December 1952. Ibadan, the University, 1953. pp.viii,43. No price given. *(D) 831*

LIBRARIANSHIP

CORBETT, E. V.

The public libraries committee; with a section on county library committees by F. A. Sharr. [London], Association of Assistant Librarians, 1953. pp.39. 2s. 6d. (2s. to members). *(B) 832*

PHILIP, A. J.

An outline of a scheme for the classification of local collections in public and other libraries and for all material with a topographical basis. Wraysbury, Middlesex, A. J. Philip, 1953. pp.ii,53, tables. Mimeographed. 32s. 6d. *(B) 833*

DIRECTORIES AND YEARBOOKS

EGYPT. Fouad I National Research Council

Guide to scientific and technical workers in Egypt; classified subject and name indexes and lists of institutions in Egypt; [comp. by A. A. Sabet]. Cairo, the Council, 1953. pp.xx,493. No price given. *(D) 834*

THE FARMER'S YEARBOOK, ENCYCLOPAEDIA AND DIRECTORY OF PEDIGREE BREEDERS, 1953-54

The farmer's yearbook, encyclopaedia and directory of pedigree breeders, 1953–1954; under the direction of D. Cowie. Tibberton (Glos.), Tantivy Press, 1953. pp.320, illus., tables. 7s. 6d. *(D) 835*

PSYCHOLOGY

FLOYD, W. F. *and* **WELFORD, A. T.** *eds.*

Symposium on fatigue. H. K. Lewis, 1953. pp.viii,196, plates. 24s. *The Ergonomics Research Society, publications series.* *(C) 836*

SOCIAL SCIENCES

STATISTICS

DAVID, F. N.

A statistical primer. Griffin, 1953. pp.226, tables, diagrs. 22s. *(B) 837*

ECONOMICS

CAIRNCROSS, A. K.

Home and foreign investment, 1870–1913: studies in capital accumulation. Cambridge, C.U.P., 1953. pp.xvi,251, tables, diagrs. 30s. *(C) 838*

FLORENCE, P. S.

The logic of British and American industry: a realistic analysis of economic structure and government. Routledge & Kegan Paul, 1953. pp.xiv,368, tables, diagrs. 28s. *(B) 839*

GREAT BRITAIN. Board of Trade

The report on the census of production for 1949. Volume 12: Building and contracting, gas, electricity and water. H.M.S.O., 1953. pp.7, tables. 2s. *(B) 840*

GREAT BRITAIN. Board of Trade

The report on the census of production for 1950. Vol. 5. Metal goods (not elsewhere specified) and precision instruments, jewellery, etc. H.M.S.O., 1953. pp.10, tables. 2s. *(B) 841*

An introduction to linear programming

An introduction to linear programming. London, C. & H.; New York, Wiley, 1953. pp.ix,74, tables, diagrs., bibliog. 20s. Part 1: An economic introduction to linear programming, by W. W. Cooper and A. Henderson. Part 2: Lectures on the mathematical theory of linear programming, by A. Charnes. *(C) 842*

EDUCATION

ADAMS, L. D.

A background to primary school mathematics. O.U.P., 1953. pp.xv,189, illus., tables, diagrs. 8s. 6d. *(A) 843*

GREAT BRITAIN. Ministry of Education

Physical education in the primary school. Part 2: Planning the programme. H.M.S.O., 1953. pp.72, plates, diagrs. 6s. *(A) 844*

HUMBERSTONE, T. L.

University controversies. Wadley & Ginn, 1953. pp.70. 6s. 6d. *(B) 845*

HODGSON, K. W.

The deaf and their problems: a study in special education; with a preface by Sir Richard Paget. Watts, 1953. pp.xx,364, tables, diagrs. 21s. 'Includes an historical account of the treatment of the deaf from the 16th century.' *(A) 846*

VALENTINE, C. W.

Intelligence tests for children. Methuen, 1953. pp.xiii,84, tables, diagrs., bibliog. 7s. 6d. *(B) 847*

WATTS, A. F.

Can we measure ability? University of London Press, 1953. pp.80, table. 3s. *(A) 848*

MATHEMATICS

BOWMAN F.

Introduction to elliptic functions, with applications. English Universities Press, 1953. pp.115, tables, diagrs., bibliog. 12s. 6d. *(B) 849*

CORSON, E. M.

Introduction to tensors, spinors, and relativistic wave-equations (relation structure). Blackie, 1953. pp.xii,221, tables, bibliog. 55s. *(C) 850*

ROSSER, J. B.

Logic for mathematicians. London, New York [etc.], McG-H., 1953. pp.xiv,530, tables, diagrs., bibliog. 80s. *International series in pure and applied mathematics, ed. by W. T. Martin.* *(C) 851*

ASTRONOMY

WOOLLEY, R. v.d. R. *and* **STIBBS, D. W. N.**

The outer layers of a star. Oxford, Clarendon, 1953. pp.[11],306, tables, diagrs. 40s. *International series of monographs on physics; ed. by Sir R. Fowler and others.* *(C) 852*

PHYSICS

GREAT BRITAIN. Radio Research Board

Fundamental processes of electrical contact phenomena by F. L. Jones. H.M.S.O., 1953. pp.66, plates, tables, diagrs. 3s. *Special reports series—no. 24.* *(C) 853*

RICHARDSON, E. G.

Sound; a physical text-book. 5th ed. Edward Arnold, 1953. pp.vii,352, illus., tables, diagrs., bibliog. 25s. *(C) 854*

WHITTAKER, *Sir.* **E.**

A history of the theories of aether and electricity: the modern theories 1900–1926. London, New York [etc.], Nelson, 1953. pp.xi,319, tables, diagrs. 32s. 6d. *(C) 855*

CHEMISTRY

DALTON, J.

A new system of chemical philosophy. Pt. 1, 2. Vol. 2, Pt. 1. London, William Dawson, 1953. 2 v. 105s. 'Facsimile reprint of original edition, published by R. Bickerstaff and G. Wilson, 1808–27.' *(B) 856*

GREAT BRITAIN. Department of Scientific and Industrial Research. Chemistry Research Board

Report, with the report of the Director of the Chemical Research Laboratory for the year 1952. H.M.S.O., 1953. pp.iv,120, plates, tables, diagrs., bibliog. 4s. 6d. *(B) 857*

BIOLOGY

DANIELLI, J. F.

Cytochemistry: a critical approach. New York, Wiley; London, C. & H., 1953. pp.[9],140, plates, tables, diagrs., bibliog. 32s. or $4.00. *Wiley biological research series.* (*C*) *858*

EPHRUSSI, B.

Nucleo-cytoplasmic relations in micro-organisms: their bearing on cell heredity and differentiation; being the William Withering memorial lectures delivered at the Birmingham Medical School, 1952. Oxford, Clarendon Press, 1953. pp.viii,127, front., plates, diagrs., bibliog. 18s. (*C*) *859*

BOTANY

AUDUS, L. J.

Plant growth substances. L. Hill, 1953. pp.xix,465, plates, tables, diagrs., bibliog. 42s. (*A*) *860*

GAUMANN, E. A.

The fungi: a description of their morphological features and evolutionary development; translated from the German and arranged as an American text by F. L. Wynd. New York, London, Hafner, 1952 [i.e. Feb. 1953]. pp.420, illus., tables, bibliog. 72s. 6d. or $10.00. (*B*) *861*

INGOLD, C. T.

Dispersal in fungi. O.U.P., 1953. pp.viii,197 illus., plates, tables, diagrs., bibliog. 18s. (*B*) *862*

[See also *908*]

ZOOLOGY

DURRELL, M.

The overloaded ark; with illustrations by S. Baur. Faber, 1953. pp.238, illus., maps. 15s. (*A*) *863*

RICHARDS, O. W.

The social insects. Macdonald, 1953. pp.xiv,219, front., illus., plates, tables. 15s. (*A*) *864*

MAYR, E. *and others*

Methods and principles of systematic zoology by E. Mayr, E. G. Linsley and R. L. Usinger. London, New York [etc.], McG-H., 1953. pp.ix,328, illus., tables, diagrs., bibliog. 51s. or $6.00. *McGraw-Hill publications in the zoological sciences; ed. by E. J. Boell.* (*C*) *865*

ENGINEERING

COPPER DEVELOPMENT ASSOCIATION

Copper in instrumentation. Rendall's Hall, Radlett, Herts., Copper Development Association, 1953. pp.151, front., illus., tables, diagrs., bibliog. Gratis. *Copper Development Association publication series—no. 48.* (*A*) *866*

JONES, E. B.

Instrument technology. Vol. 1. Measurement of pressure, level, flow and temperature. Butterworth, 1953. pp.xii,315, illus., tables, diagrs., bibliog. 35s. (*B*) *867*

[See also *896*]

TESTING MATERIALS

RESEARCH

Corrosion: a series of papers reprinted from *Research*, vol. 5, 1952. Butterworth, 1953. pp.iii,60, illus., tables, diagrs. 6s. *(B) 868*

MECHANICAL

LEWITT, E. H.

Thermodynamics applied to heat engines: a textbook covering the syllabuses of the B.Sc. (Eng.) and I.Mech.E. examinations in this subject. 5th ed. Pitman, 1953. pp.xii,820, illus., plates, tables, diagrs. 30s. *Engineering degree series.* 'Previous ed. 1949.' *(B) 869*

WALSHAW, A. C.

Applied thermodynamics. 2nd ed. Blackie, 1953. pp.xv,612, tables, diagrs. 40s. 'Previous ed. 1947.' *(B) 870*

ELECTRICAL

HALLOWS, R. W. *and* **MILWARD, H. K.**

Introduction to valves. Published for *Wireless World* by Iliffe, 1953. pp.152, front., illus., tables, diagrs. 8s. 6d. *(B) 871*

TURNER, R. P.

Basic electronic test instruments: their operation and use. New York, Rinehart, 1953. pp.254, illus., diagrs. $4.00. *(B) 872*

INTERNAL COMBUSTION

GOODGER, E. M.

Petroleum and performance in internal-combustion engineering. Butterworth, 1953. pp.xiii,295, illus., tables, diagrs., index. 32s. 6d. [by post 1s. extra]. *(C) 873*

WORKSHOP PRACTICE

GRODZINSKI, P.

Diamond technology: production methods for diamond and gem stones. 2nd rev. and enl. ed. N.A.G. Press, 1953. pp.xxxv,784, illus., tables, diagrs., bibliog. 52s. 6d. 'Previous ed. published as *Diamond and gem stone industrial production*, 1942.' *(B) 874*

MINING

McADAM, R.

Colliery surveying. Edinburgh, London, O. & B., 1953. pp.vii,146, tables, diagrs. 12s. 6d. *(B) 875*

NAVAL

GREAT BRITAIN. Admiralty. Ship Welding Committee

'S.S Ocean Vulcan' sea trials: the forces acting on the ship at sea. H.M.S.O., 1953. pp.viii,175, front., illus., plates, maps, tables, diagrs. 35s. *Report series—no. R.8.* *(C) 876*

AUTOMOBILE

AUTOCAR

The autocar handbook; the complete guide to the modern car, by the staff of the *Autocar*. 21st ed. Iliffe, 1953. pp.xxiv,216, front., illus., diagrs. 7s. 6d. 'Previous ed. 1948.' *(A) 877*

BLOWER, W. E.

The complete M.G. workshop and tuning manual. 3rd ed. Motor Racing Publications Ltd., 1953. pp.528, illus., plates, tables, diagrs. 30s. *(A) 878*

MOTOR CYCLE

Motor cycles and how to manage them, by the staff of the *Motor Cycle*. 32nd ed. Iliffe, 1953. pp.312, illus., tables, diagrs. 6s. 'Previous ed. 1948.' *(A) 879*

AERONAUTICAL

DUKE, N. *and* **LANCHBERY, E.**

Sound barrier: the story of high-speed flight. Cassell, 1953. pp.x,117, plates, diagrs., bibliog. 8s. 6d. *(A) 880*

VEALE, S. E. *and* **WREN, C. [i.e. E. A. Wren]**

How planes fly. Puffin Books, 1953. pp.31, illus. 2s. 6d. *Puffin picture book series—no. 94.* *(A) 881*

AGRICULTURE

WYLLIE, J.

Farm management. Spon, for *Farmer and Stockbreeder*, 1953. pp.ix,249, tables. 25s. *Agricultural series, ed. by Professor H. G. Sanders.* *(B) 882*

MACHINERY

WILSON, W. C.

Principles of agricultural engineering. Edinburgh, W. Green, 1953. pp.vii,157, illus., tables. 15s. *(A) 883*

CROPS

BALLS, W. L.

The yields of a crop, based on an analysis of cotton-growing by irrigation in Egypt. Spon, 1953. pp.xv,144, front., plates, tables, diagrs., bibliog. 21s. *(B) 884*

WHYTE, R. O. *and others*

Legumes in agriculture, by R. O. Whyte, G. Nilsson-Leissner and H. C. Trumble. Rome, F.A.O.; London, H.M.S.O., 1953. pp.xiii,367, plates, tables. 15s. *Agricultural studies—no. 21.* *(B) 885*

LIVESTOCK

POWELL-OWEN, W.

The complete poultry book: breeding, rearing, feeding and management of fowls, ducks, geese, turkeys, guinea fowl and bantams. New and revised ed. 1953. Cassell, 1953. pp.xii,400, front., plates, tables, diagrs. 25s. *(B) 886*

[See also *835*]

PRINTING AND PUBLISHING

Graphis annual; international advertising art, 1952-53

Graphis annual; international advertising art, 1952–1953. Edited by W. Herdeg *and* C. Rosner. New York, Pellegrini & Cudahy; London, Sylvan Press; Zurich, Switzerland, Amstutz & Herdeg, Graphis Press. pp.201, coloured illus. $12.50, 63s., 39 frs. *(B) 887*

[See also *900*]

TRANSPORT

CHORLEY, R. S. T. *1st Baron Chorley and* **GILES, O. C.**

Shipping law. 3rd ed. Pitman, 1953. pp.xxv,366, tables. 30s. *(B) 888*

DUCKWORTH, C. L. D. *and* **LANGMUIR, G. E.**

West coast steamers. Prescot, Lancs., Stephenson, 1953. pp.ix,195, plates, tables. 25s. *(A) 889*

INDUSTRIAL ORGANIZATION

BLACK, J. M. *and* **PICCOLI, J. G.**
Successful labor relations for small business. London, New York, McG-H., 1953. pp.xxii,425, tables. 48s. or $6.00. *(A) 890*

BRITISH INSTITUTE OF MANAGEMENT *and* **OFFICE MANAGEMENT ASSOCIATION**
Office accommodation; sponsored by the Joint Office Management Committee of the Institute and the Association. London, the Institute and the Association, 1953. pp.44, plates, diagrs. 5s. *(B) 891*

TARRING, L. H. *and* **CORDERO, H. G.** *eds.*
In a metal merchant's office: a short guide to trading in metals, ores, iron and steel and scrap. Quin Press Ltd., 1953. pp.240, illus., plates, tables. 21s. *(A) 892*

CHEMICAL TECHNOLOGY

FUEL

GARNER, F. H. *and* **EVANS, E. B.** *eds.*
Reviews of petroleum technology. Vol. 13 (covering 1951). Institute of Petroleum, 1953. pp.viii,360, xxvi, tables, bibliog. 50s. *(C) 893*

[See also *873*]

GLASS AND CERAMICS

RACKHAM, B.
Animals in Staffordshire pottery: with sixteen plates by P. Jeremy. Penguin, 1953. pp.32, plates. 5s. *King Penguin books series, ed. by N. B. L. Pevsner—no. 68.* *(A) 894*

TOOLEY, F. V. *ed.*
Handbook of glass manufacture; a book of reference for the plant executive, technologist, and engineer. 55 W. 42nd St., New York, *Glass Industry*, 1953. pp.506, illus. $11.50. *(B) 895*

METALLURGY

KEYSER, C. A.
Basic engineering metallurgy: theories, principles and applications. Macdonald, 1953. pp.xi,384, illus., tables, diagrs. 60s. 'First published, New York, Prentice Hall, 1953. $8.00.' *(B) 896*

MOND NICKEL CO. LTD.
Spheroidal graphite cast iron: engineering properties and applications. Mond Nickel Co. Ltd., 1953. pp.32, illus., tables, bibliog. [gratis]. *(C) 897*

MANUFACTURES

METALS

ALUMINIUM DEVELOPMENT ASSOCIATION
Proceedings at a symposium on aluminium alloy castings, Queens Hotel, Birmingham on 6 November, and Claridge's Hotel, London on 11 November, 1952. Aluminium Development Association, 1953. pp.223, illus., tables, diagrs., bibliog. 4s. *(C) 898*

MOLLOY, E., *ed.*
Welding, brazing and metal cutting; prepared by a staff of technical experts under the direction of E. Molloy. Newnes, 1953. pp.192, illus., diagrs. 15s. *(B) 899*

PAPER

ECONOMIST. Intelligence Unit

Paper for printing, today and tomorrow; presented jointly by Unesco and FAO. Paris, Unesco, 1952. pp.139, tables. 7s. 6d., $1.25, 350 frs. 'Press, film and radio in the world today.' *(B) 900*

TEXTILES

LUNIAK, B.

The identification of textile fibres: qualitative and quantitative analysis of fibre blends. Pitman, 1953. pp.xiv,177, plates, tables. 45s. *(B) 901*

FINE MECHANISMS

BOOTH, A. D. *and* **BOOTH, K. H. V.**

Automatic digital calculators. New York, London, Butterworth's Academic Press, 1953. pp.viii,231, front., plates, tables, diagrs. 32s. *(C) 902*

BUILDING

KNIGHT, C., & CO. LTD.

Annotated model byelaws. Vol. 1: Buildings, comprising the model series issued in November, 1952, from the Ministry of Housing and Local Government under the Public Health Acts, with diagrams and additional sections giving details of relevant British Standards and British Standard Codes of Practice. 10th ed. Knight, 1953. pp.xi,194, tables, diagrs. 42s. *(B) 903*

ARCHITECTURE

BRIGGS, M. S.

Wren the incomparable. A. & U., 1953. pp.292, front., plates, plans, bibliog. 35s. *(B) 904*

PEVSNER, N. B. L.

Hertfordshire. Penguin, 1953. pp.313, front., map, illus., plates, diagrs. 4s. 6d. *Buildings of England series.* *(B) 905*

WHITTICK, A.

European architecture in the twentieth century. Vol. 2, Part 3: The era of functionalism, 1924–33. Crosby Lockwood, 1953. pp.272, plates, plans, bibliog. 42s. *(B) 906*

PHOTOGRAPHY

CINEMATOGRAPHY

WHEELER, L. J.

Principles of cinematography: a handbook of motion picture technology. With a foreword by I. D. Wratten. Fountain Press, 1953. pp.472, illus., tables, diagrs., bibliog. 63s. *(B) 907*

BIOGRAPHY

GOURLIE, N.

The prince of botanists, Carl Linnaeus. Witherby, 1953. pp.xiii,292, plates, illus., bibliog. 30s. *(A) 908*

KIMBALL, D. S.

I remember. London, New York [etc.], McG-H., 1953. pp.259, plates. 32s. or $4.00. *(A) 909*

[See also *904*]

PUBLISHERS

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C.U.P. : Cambridge University Press

H.M.S.O. : Her Majesty's Stationery Office

L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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DECEMBER 1953
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PREFACE

THE main object of this monthly list is to provide libraries with a list of selected recent scientific and technical books. The selection has been made by those with special knowledge of the subjects. It is not claimed that the list is exhaustive and it is hoped that the range of subjects will gradually be extended.

The aim of the Publications Committee has been to secure the help of individuals and specialist organizations who are, for their own purposes, making as complete a survey as possible of the literature in their own fields and who are able to assess the relative merits of new publications. This object has already been largely achieved : over seventy specialist organizations are generously helping Aslib in this way.

The notes in inverted commas are quoted from reviews or from the recommending experts ; those in square brackets are amplifications of the title compiled in the Aslib office from information supplied by the publishers.

Only books in the English language and, with few exceptions, those published within the previous six months, have been included. The limitation with regard to date, however, has been stretched sometimes in the case of books published abroad or those on very specialized subjects.

The place of publication is London unless otherwise stated.

The regular transactions of societies are not included. Nor are British Standard Specifications (except bound volumes). Any inquiry regarding these should be made direct to the B.S.I., 24/28 Victoria Street, London, S.W.1.

The works recommended are set out for convenience under broad main headings following the order of the Universal Decimal Classification and are further classified by the following symbols :

(*A*) Books suitable for general readers, or books treating the subject in an introductory, elementary or general manner.

(*B*) Books of an intermediate degree of technicality or suitable as textbooks for students.

(*C*) Books of an advanced or specially technical character.

(*D*) Directories, dictionaries, handbooks, lists and catalogues, encyclopædias, year-books, and similar publications.

A title-page, classified table of contents, and index are issued with the last number of each volume.

The form of entry of references has been altered to comply with British Standard Specification 1629 : 1950.

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GENERAL SCIENCE

RUSSELL, B.
The impact of science on society. New York, Simon and Schuster, 1953. pp.144. $3.00 (*B*) *910*

DOCUMENTATION

BRADFORD, S. C.
Documentation. 2nd ed.; with an introduction by J. H. Shera and M. E. Egan. Crosby Lockwood, 1953. pp.200, tables. 12s. 6d. (*B*) 911

BRADLEY, L. P., *jr.*
Filing manual for aircraft correspondence. Normandy, Missouri, L. P. Bradley, 1953. pp.256, tables. $5.50 (*B*) *912*

BIBLIOGRAPHY

LARSEN, K.
National bibliographical services, their creation and operation; prepared in accordance with the recommendation of the International Advisory Committee on Bibliography. Paris, Unesco, 1953. pp.x,142, illus., facsims., tables. 8s. 6d., $1.50 or 400frs. (*B*) *913*

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. South East Asia Science Cooperation Office
Scientific and technical journals of East and South East Asia (Hong Kong, Japan, Indonesia, Macao, Malaya, North Borneo, the Philippines, Sarawak, Thailand, Vietnam). 2nd ed. Manila, the Office, 1953. pp[6],ii,233, mimeographed. gr. (*D*) *914*

DIRECTORIES AND YEARBOOKS

[See *973*]

MUSEUMS

GREAT BRITAIN. Standing Commission on Museums and Art Galleries
Guide to London museums and art galleries. 5th ed. H.M.S.O., 1953. pp.128, illus., map. 2s. 6d. 'Previous ed. 1951'. (*B*) *915*

OSBORN, E. C.
Manual of travelling exhibitions. Paris, Unesco, 1953. pp.70, plates. 10s. 6d., $1.75 or 500 frs. *Museums and monuments, V.* (*B*) *916*

PSYCHOLOGY

EYSENCK, H. J.
The structure of human personality. London, Methuen; New York, Wiley, 1953. pp.xix,348, tables, diagrs., bibliog. 37s. 6d. or $5.75 (*C*) *917*

EYSENCK, H. J.
Uses and abuses of psychology. London, Melbourne, [etc.], Penguin, 1953. pp.318, illus., tables, diagrs. 2s. 6d. (*A*) *918*

NOTCUTT, B.
The psychology of personality. Methuen, 953. pp.12,259, tables. 21s. *Methuen's manuals of modern psychology, ed. by Professor C. A. Mace.* (*B*) *919*

[See also *991*]

SOCIAL SCIENCES
[See *910*]

STATISTICS

HOLMES, R. L. A.
Statistics for professional students. 3rd ed. Pitman, 1953. pp.x,165, plates, facsims., tables, diagrs., bibliog. 15s. 'Previous ed. 1944'. (*B*) *920*

PARADINE, C. G., *and* **RIVETT, R. H. P.**
Statistics for technologists. English Universities Press, 1953. pp.vii,288, tables, diagrs. 25s. 'With answers to examples'. (*B*) *921*

ECONOMICS

HANSON, J. I.
A textbook of economics. Macdonald and Evans, 1953. pp.xxiv,596, tables, diagrs., bibliog. 18s. 6d. (*B*) *922*

EDUCATION

OTTAWAY, A. K. C.
Education and society: an introduction to the sociology of education; with an introduction by W. O. Lester Smith. Routledge & Kegan Paul, 1953. pp.xii, 182, bibliog. 18s. *International library of sociology and social reconstruction series, ed. by W. J. H. Sprott.* (*B*) *923*

RAYMONT, T.
Modern education: its aims and methods. 4th ed. L.G., 1953. pp.vii,237, bibliog. 10s. 6d. 'Previous ed. 1946'. (*B*) *924*

WRENN, H. A.
The parents' guide to secondary education. Cambridge, C.U.P., 1953. pp.viii,85. 3s. 6d. (*A*) *925*

YOUNGMAN, B. R.
Teaching religious knowledge: a book of method for teachers; with a foreword by Dr. B. Yeazlea. University of London Press, 1953. pp.238, illus., plates, tables, bibliog. 12s. 6d. (*B*) *926*

MATHEMATICS

LEFSCHETZ, S.
Algebraic geometry. Oxford, O.U.P.; Princeton (N.J.), Princeton U.P., 1953. pp.ix,233, tables. 30s. or $5.00. *Princeton mathematics series, ed. by M. Morse and A. W. Tucker.* (*C*) *927*

MATHEMATICAL ASSOCIATION
The teaching of higher geometry in schools: a report. Bell, 1953. pp.xi,119, diagrs. 7s. 6d. (*B*) *928*

NORTHCOTT, D. G.
Ideal theory. Cambridge, C.U.P., 1953. pp.viii,111, bibliog. 12s. 6d. *Cambridge tracts in mathematics and mathematical physics series, ed. by W. V. D. Hodge.* (*C*) *929*

THIELMAN, H. P.
Theory of functions of real variables. Butterworth, 1953. pp.[13],209, diagrs. 35s. *Prentice-Hall mathematical series, ed. by A. A. Bennett.* (*B*) *930*

TRANTER, C. J.
Advanced level pure mathematics. English Universities Press, 1953. pp.xii, 13–420, tables, diagrs. 25s. *Physical science texts series, ed. by O. G. Sutton.* *(B) 931*

ASTRONOMY

MOORE, P.
Guide to the moon. Eyre & Spottiswoode, 1953. pp.224, front., plates, maps, diagrs. 16s. *(A) 932*

PHYSICS

LAMBE, C. G.
Advanced level applied mathematics. English Universities Press, 1953. pp.xiv,15–419, tables, diagrs. 25s. *Physical science texts series ed. by O. G. Sutton.* *(B) 933*

PARS, L. A.
Introduction to dynamics. Cambridge, C.U.P., 1953. pp.xxii,501, tables, diagrs. 31s. 6d. *(B) 934*

CHEMISTRY

HINSHELWOOD, *Sir* **C.,** *and others*
Chemistry and man, based on four lectures under the auspices of the Chemical Council. Spon, 1953. pp.vii,88, tables. 7s. 6d. *(A) 935*

PAULING, L. P.
General chemistry: an introduction to descriptive chemistry and modern chemical theory. Illustrations by R. Hayward. San Francisco, W. H. Freeman and Co.; London, Bailey and Swinfen, 1953. pp.vii,710, illus., plates, tables, diagrs., bibliog. $6.00 or 51s. *(B) 936*

VICKERY, R. C.
Chemistry of the lanthanons. Butterworth, 1953. pp.viii,296, illus., plate, tables, diagrs., bibliog. 35s. *(C) 937*

WALKER, J. F.
Formaldehyde. 2nd ed. New York, Reinhold; [London, C. & H.], 1953. pp.xvi,575, front., illus., tables, diagrs., bibliog. $18.00 or 96s. *American Chemical Society monograph series—no. 120.* 'Previous ed. 1944'. *(C) 938*

MINERALOGY

GRIM, R. E.
Clay mineralogy. London, New York, [etc.], McG-H., 1953. pp.xii,384, illus., tables, diagrs., bibliog. 64s. 6d. or $9.00. *McGraw-Hill series in geology, ed. by R. R. Shrak.* *(B) 939*

GEOLOGY

PENCK, W.
Morphological analysis of land forms: physical geology, translated by H. Czech and K. C. Boswell. Macmillan, 1953. pp.xiv,429, plates, diagrs. 42s. *(C) 940*

ANTHROPOLOGY

ELKIN, A. P.
Social anthropology in Melanesia: a review of research. Oxford, O.U.P., 1953. pp.xiv,166, map, tables, bibliog. 27s. 6d. 'Published under the auspices of the South Pacific Commission'. *(B) 941*

KEESING, F. M.
Social anthropology in Polynesia: a review of research. Oxford, O.U.P., 1953. pp.x,126, map, tables, bibliog. 27s. 6d. 'Published under the auspices of the South Pacific Commission'. *(B) 942*

BOTANY

DAVSON, H., *and* **DANIELLI, J. F.**
The permeability of natural membranes; with a foreword by E. Newton Harvey. 2nd ed. Cambridge, C.U.P., 1953. pp.365, bibliog. 30s. *(B) 943*

RAMSBOTTOM, J.
Mushrooms and toadstools, a study of the activities of fungi with 84 colour photographs by P. L. de Laszlo and others. Collins, 1953. pp.xiv,306, front., plates, tables, diagrs., bibliog. 30s. *New naturalist series, ed. by J. Fisher and others—no. 7.* *(B) 944*

ZOOLOGY

BURTON, M.
Animal courtship; drawings by J. Burton. Hutchinson, 1953. pp.267, front., illus., plates, bibliog. 16s. *Hutchinson's nature library series.* *(B) 945*

CONISBEE, L. R.
A list of the names proposed for genera and subgenera of recent mammals from the publication of T. S. Palmer's 'Index Generum Mammalium' 1904 to the end of 1951. British Museum (Natural History), 1953. pp.[5],109, tables. *(D) 946*

PUBLIC HEALTH

TANNER, F. W., *and* **TANNER, L. M. P.**
Food-borne infections and intoxications. 2nd ed. Champaign, Illinois, the Garrard Press, 1953. pp.x,769, tables. $12.00. *(C) 947*

VETERINARY SCIENCE

WHITNEY, L. F., *and* **WHITNEY, G. D.**
The distemper complex. Box 746, Orange, Conn., Practical Science Publishing Co., 1953. pp.219. $5.00. *(C) 948*

ENGINEERING

Testing Materials

AMERICAN SOCIETY FOR TESTING MATERIALS
Symposium on fatigue, with emphasis on statistical approach, II; presented at the 55th annual meeting (50th anniversary meeting) New York, June 24, 1952. Philadelphia, the Society, 1953. pp.91, illus. $2.00, $1.50 to members. *Special technical publication—no. 137.* *(C) 949*

TIMOSHENKO, S. P.
History of the strength of materials: with a brief account of the history of theory of elasticity and theory of structures by S. P. Timoshenko. McG-H., 1953. pp.x,452, illus., diagrs. 71s. 6d. *(B) 950*

WRIGHT, R. M., *and others*
Economic investigation of solid journal bearing operation in freight service on two large class 1 railways. Urbana, University of Illinois Press, 1953. pp.110. $1.00. *University of Illinois Engineering Experiment Station bulletin no. 406.* *(B) 951*

STEAM

MILTON, J. H.
Marine steam boilers. Newnes, 1953. pp.256, diagrs. 27s. 6d. *(B) 952*

ELECTRICAL

MACFADYEN, K. A.
Small transformers and inductors; with a foreword by W. G. Radley. C. & H., 1953. pp.xii,237, tables, diagrs. 37s. 6d. *(B) 953*

ELECTRICAL COMMUNICATIONS

PENROSE, H. E., *and* **BOULDING, R. S. H.**
Principles and practice of radar. 4th rev. ed. Newnes, 1953. pp.xii,795, plates, diagrs., bibliog. 50s. *(B) 954*

INTERNAL COMBUSTION

JENNINGS, B. H., *and* **ROGERS, W. L.**
Gas turbine analysis and practice. New York, McGraw-Hill, 1953. pp.vii, 487, illus. $8.50. *(C) 955*

WALSHAW, T. D.
Diesel engine design. 2nd ed. Newnes, 1953. pp.440, illus., tables, diagrs., bibliog. 35s. 'Previous ed. 1949'. *(B) 956*

MINING

INTERNATIONAL LABOUR OFFICE
Safety in coal mines. Vol. 1: Organisation on the national and international levels. Geneva, I.L.O., 1953. pp.266. 9s. or $1.50 *Studies and reports, new series—no. 33.* *(B) 957*

CIVIL

SHIRLEY SMITH, H.
The world's great bridges. Phoenix, 1953. pp.xi,180, illus., plates, tables, diagrs., bibliog. 15s. *(A) 958*

SANITARY

BAUMANN, E. R., *and* **BABBITT, H. E.**
Investigation of the performance of six septic tanks. Urbana, University of Illinois Press, 1953. pp.75, illus. 60c. *University of Illinois Engineering Experiment Station bulletin no. 409.* *(B) 959*

AUTOMOBILE

BENTLEY, W. J.
Motoring cavalcade. Foreword by Lord Montagu of Beaulieu. Odhams, 1953. pp.144, front., plates. 16s. *(A) 960*

THE MOTOR
Road tests of 1953 cars. 5th ed. Temple Press, 1953. pp.xi,85, illus., tables, diagrs. 5s. *(A) 961*

NEWTON, K., *and* **STEEDS, W.**
The motor vehicle; a descriptive textbook for students, draughtsmen and owner-drivers. Published for the *Automobile Engineer* by Iliffe, 1953. pp.590, illus., diagrs. 35s. 'Previous ed. 1950'. *(B) 962*

STONE & COX, LTD.
Motor specifications and prices, 1953; including private cars, motor cycles, power units, commercial vehicles (petrol, oil and electric) and farm vehicles. Stone & Cox, 1953. pp.xvi,1024, tables. 21s. *(D) 963*

TRADER. Information Bureau
Trader handbook, 1953: a legal, technical and buying guide for the motor, motor cycle and cycle trades; comp. by *Trader* Information Bureau in collaboration with the staffs of *Motor Trader* and *Motor Cycle & Cycle Trader*. 47th ed. Trader Publishing Co., 1953. pp.[1],489, tables, diagrs. 12s. 6d. (*D*) *964*

AGRICULTURE

MACHINERY

GULVIN, H. E.
Farm engines and tractors. London, New York, [etc.], McG-H., 1953. pp.ix,397, illus., tables, diagrs., bibliog. 48s. or $6.00. *McGraw-Hill publications in agricultural engineering series ed. by Q. C. Ayres.* 'Includes chapters on the choice and operation of a tractor or engine'. (*B*) *965*

FERTILIZERS

JACOB, K. D., *ed.*
Fertilizer technology and resources in the United States; contributors: J. A. Chucka [and others]. New York, Academic Press, 1953. pp.xvii,454, illus. $8.50. *American Society of Agronomy, a series of monographs.* (*B*) *966*

CROPS

GRIST, D. H.
Rice. L.G., 1953. pp.xix,331, front., illus., plates, maps, tables, diagrs., bibliog. 35s. *Tropical agriculture series, ed. by Sir H. Tempany.* (*B*) *967*

LIVESTOCK

BRITISH VETERINARY ASSOCIATION. Technical Development Committee
Report on artificial insemination of cattle. The Association, 1953. pp.90, illus., plates, tables, diagrs., bibliog. 6s. 6d. *Publications series—no. 22.* (*C*) *968*

HALE, M., *and* **OGIER, E.**
Table poultry production. London, *Poultry World*, 1953. pp.111, illus., tables. 4s. 6d. (*A*) *969*

PRINTING AND PUBLISHING

DIRINGER, D.
The hand-produced book. Hutchinson, 1953. pp.xii,13–603, illus., facsims., tables, bibliog. 60s. *Hutchinson's scientific and technical publications series.* (*B*) *970*

INDUSTRIAL ORGANIZATION

BURTON, J. H.
Stores accounts and stores control. 5th ed. Pitman, 1953. pp.xv,293, illus. 15s. 'Previous ed. 1941'. (*B*) *971*

COOMBER, R. R.
Balance carried forward; an outline of elementary book-keeping. Harmondsworth (M'sex), Melbourne [etc.], Penguin, 1953. pp.264, tables, diagrs., 2s. 6d. (*B*) *972*

CHEMICAL TECHNOLOGY

[See *981, 983*]

FUEL

Oil and Petroleum Year Book 1953
Oil and petroleum year book, 1953, incorporating 'The oil and petroleum manual'; compiler W. E. Skinner. 44th ed. pp.cxii,327, tables. 20s. (*D*) *973*

Food

MRAK, E. M., *and* **STEWART, G. F.**
Advances in food research. New York, Academic Press, 1953. pp.457, illus. $9.00. *(C) 974*

PARKER, E. M., *and others*
Elements of food engineering by M. E. Parker with the collaboration of E. H. Harvey and E. S. Stateler. Vol. 1. London, C. & H.; New York, Reinhold, 1953. pp.ix,386, front., illus., tables, diagrs. 70s. or $8.75. *(C) 975*

WALTER, F. G.
Manufacture of compressed yeast. 2nd rev. ed. C. & H., 1953. pp.x,318, illus., tables, diagrs. 37s. 6d. 'Previous ed. 1940'. *(C) 976*

Metallurgy

INSTITUTION OF MINING AND METALLURGY
Recent developments in mineral dressing: a symposium arranged by the Institution of Mining and Metallurgy, held on 23rd—25th September, 1952, at the Huxley Building, Imperial College of Science & Technology, London. The Institution, 1953. pp.xxix,766, illus., plates, tables, diagrs. 60s. *(C) 977*

AMERICAN SOCIETY FOR METALS
Behaviour of metals at low temperatures, by R. M. Brick [and others] a series of three educational lectures . . . presented to members of the ASM during the thirty-fourth national metal congress and exposition, Philadelphia, 20th to 24th October, 1952. Cleveland, Ohio, the Society, 1953. pp.335, illus. $5.00. *(C) 978*

MANUFACTURES

Metals

ROAST, H. J.
Cast bronze; foreword by H. F. Taylor. Cleveland, Ohio, American Society for Metals, 1953. pp.458, illus. $4.00. *(C) 979*

Textiles

Davison's rayon, silk and synthetic textiles, 1953
Davison's rayon, silk and synthetic textiles, 1953; including acetate, acrilan, caslen, dacron, dynel, fiber glass, nylon, orlon, rayon, silk, saran, vicara, vinyon; the standard guide; the annual register and technical compendium of the rayon, synthetic textiles and silk industries of the United States and Canada. 58th ed. 4 Franklin Avenue, Ridgewood, New Jersey, Davison Publishing Co., 1953. pp.536. $8.00, de luxe office ed.; $6.00 pocket ed. *(D) 980*

HILL, R.
Fibres from synthetic polymers. Amsterdam, Elsevier; London, Cleaver-Hume, 1953. pp.xv,554, plates, tables, diagrs., bibliog. 80s. *Elsevier's polymer series on the chemistry, physics and technology of high polymeric and allied substances—no. 6.* *(C) 981*

LIPSON, E.
A short history of wool and its manufacture (mainly in England). Heinemann, 1953. pp.205, bibliog. 12s. 6d. 'Includes a chapter on processes and inventions'. *(A) 982*

McFARLANE, S. B.
Technology of synthetic fibers. New York. Fairchild, 1953. pp.477, illus. $12.00. *(B) 983*

FINE MECHANISMS

BOWDEN, B. V. *ed.*
Faster than thought: a symposium on digital computing machines; with a foreword by the Right Hon. the Earl of Halsbury. Pitman, 1953. pp.xix,416, front., plates, tables, diagrs. 35s. *(B) 984*

BUILDING

AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS
Heating, ventilating, air conditioning guide. 62 Worth Street, New York, the Society, 1953. pp.1584, illus. $7.50. *(D) 985*

GAS COUNCIL
Coke-burning appliances handbook. 4th ed. The Council, 1953. pp.244, illus., tables, diagrs. 12s. 6d. 'Previous ed. published London, London & Counties Coke Association, 1948'. *(B) 986*

WALKER-SMITH, D., *and* **CLOSE, H. A.**
The standard form of building contract: an annotation and guide to the use of the form of agreement and schedule of conditions of building contract issued under the sanction of the Royal Institute of British Architects, the National Federation of Building Trades Employers and the Royal Institution of Chartered Surveyors, by D. Walker-Smith and H. A. Close, in collaboration with M. Chavasse and F. O. Jayne. Knight, 1953. pp.xvi,215. 37s. 6d. 'Previous ed. published, London, Federated Employers' Press, 1939'. *(B) 987*

TOWN AND COUNTRY PLANNING

LE CORBUSIER, *pseud.*
The Marseilles block; translated by G. Sainsbury from the French 'L'Unité d'habitation de Marseille'. Harvill, 1953. pp.72, front., illus., facsims., diagrs. 21s. 'Originally published as "L'Unité d'habitation de Marseille" Souillac, Mulhouse, 1950'. *(B) 988*

ARCHITECTURE

PARKER, H.
Simplified designs of roof trusses for architects and builders. 2nd ed. London, C. & H.; New York, Wiley, 1953. pp.xiv,278, tables, diagrs. 32s. or $4.00. 'Previous ed. 1941'. *(B) 989*
[See also *988*]

GEOGRAPHY

CRONE, G. R.
Modern geographers; an outline of progress in geography since 1800 A.D. Royal Geographical Society, 1953. pp.56, illus., plates, diagrs., bibliog. 3s. 6d. *(A) 990*

BIOGRAPHY

JONES, E.
Sigmund Freud; life and work. Vol. 1: The young Freud, 1856–1900. London, Hogarth; Toronto, Clarke, Irwin and Co. Ltd., 1953. pp.[16],454, plates. 27s. 6d. or $6.00. *(B) 991*

PUBLISHERS

The following abbreviations are used in the *Aslib Book-List*.

A. & U. : Allen & Unwin

C. & H. : Chapman and Hall

C.U.P. : Cambridge University Press

H.M.S.O. : Her Majesty's Stationery Office

L.G. : Longmans, Green

McG.-H. : McGraw-Hill

O. & B. : Oliver and Boyd

O.U.P. : Oxford University Press

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